



**Your
Valued
Quality
Delivered**



Industrial revolution brought a rapid growth in all kinds of manufacturing and processing industries. Growth and production of an industry relies on how fast & efficiently material is tested. Plastic testing machine plays a major role in achieving the above objective. Hexa Plast is a global contender and one of the top- ranking manufacturers and suppliers of testing technologies in India. We abide by the motto of Excellence, Reliability, Trust and Mutual Growth.

Contents At A Glance

○ About Hexaplast	3
○ Plastic Pipe Industries	4-5
○ PVC Profile, Plastic Sheet, Foam Board & WPC Mfg. Ind	6
○ Cable Manufacturing Industries	7
○ Film & Packaging Industries	8-9
○ Woven Sack & Non Woven Manufacturing Industries	10
○ Rotational Molding Industries	11
○ PET Preform, Blow & Barrel Manufacturing Industries	12-13
○ Compounds Manufacturing Industries	14-15
○ Recycling Industries	16
○ Injection Molding Components Mfg. Industries	17
○ Plastic Rope Industries	18
○ FRP/GRP Pipes and Products	19
○ Geo Textiles / Geo- Membrane	20
○ Hexa Plast Special	21
○ A Solutions As Per standard	22
○ Company Address	23



Hexa Plast is a world class manufacturer and exporter of various type of plastic process laboratories testing machineries. We bring the innovation with perfection. We offer best in class machinery solution that includes polymers testing machine, Ancillary machineries, Different types of Plastic testing equipment, Plastic impact testing machine, Rubber testing machine, Woven sack & Raffia quality checking machines, as per industrial applications. We create top notch machineries that increase the productivity and decreases the production cost.

Mission

Hexa Plast is a team of dedicated individuals who share commitment to attaining world class performance in customer services, product design, installation & manufacturing. We will be the leading, growing supplier of Plastic testing machine for the various industries having diverse applications.

With our targets well-defined, the Company has since conducted intensive R&D exercises to improve product function and performance aimed at those objectives that have generated the finest and most exemplary range of Plastic testing machines. Today, the persistent demand for our products is ample evidence of a balanced corporate vision.

Quality Policy

Many people talk about quality few actually do all the things necessary to maximize product reliability in the field. The values added by our continuous monitoring of quality are recognized by our customers. Every aspect of quality is customized for individual customer, our team adapts to the changing needs of our customer.

Why Prefer “Hexaplast”..?

We have highly qualified team of professionals which is passionate about achieving the perfection in manufacturing of the machine. We work on every detail and leave no area untouched. The plastic and polymer testing equipments that we offer are also affordable. We offer the finest quality product at the best price. Our carefully made products give you precise result. You can depend on our machineries for top quality production. The machines last long and you seldom have to look for any kind of major repair work.

“ We have entire solution of product range in Digital, Computerized as well as HMI/PLC Models, Our all Machineries are energy efficient & easy to operate with a negligible maintenance cost,”

We maintain the international standards in manufacturing of our equipments. We understand your requirement perfectly and aim to give you top most solution. Your manufacturing unit can produce the quality work to satisfy our customers. We have developed with the changing trend have brought the latest design for each machinery. No matter of your industry, you can ensure that your customers get the paramount quality products. Our machines also help you reduce your production cost as it consume less electricity and give you better results. Our cost effective machineries are perfect for completing any kind of challenging projects. These machines gives you value for money. Our machineries are suitable for small scale, medium scale and large scale business organizations.



Hexa Plast Testing equipment complete the Lab test for HDPE, LDPE, PP, PPR, DWC, PLB Duct PVC, RPVC, CPVC, UPVC materials as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Universal Tensile Testing Machine

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

Tensile Test is the universal test applied to many polymers for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties like tensile strength and modulus, elongation, compressive strength etc, are calculated by using this machine breakeven point

Hydrostatic Pressure Testing Machine

(Computerized and Digital Model.)

Product:

The Hexa Plast Hydrostatic pressure testing machine are used to find out the resistance to internal pressure of R-PVC, C-PVC, U-PVC, MDPE, HDPE, LLDPE, pipes, fittings and valves as per IS, BS, ASTM and so many Equivalent Standards.

The Hexa Plast Pressure testing machines are designed keeping versatility in mind to perform with different applications as specified in local and International standard.

Hexa's computerized machine is suitable for many praecox applications of GAS pipes, Hose Pipes and for the organizations with quality and quantity developed base of above products.

Application :

This Testing way is used for will power of resistance of thermoplastic pipe to continuous internal water pressure at constant temperature.

It is applicable to thermoplastic pipes intended for the conveyance of fluids.

Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures.

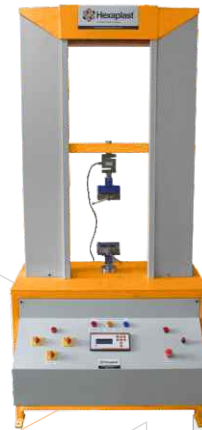
Pipe Impact Tester

Product:

HEXA PLAST Pipe Impact Tester is used to measure the impact behavior of a plastic pipe.

Application :

The impact resistance of thermoplastic pipe and fittings relates to its suitability for service and to quality of the processing. It may also provide a relative measure of the tested material's resistance to breakage during handling and installation, and in non-buried applications, to in-service breakage.



H.D.T. (Heat Deflection Tester) / Computerized VSP Tester

Product:

HEXA PLAST Heat Deflection Test Apparatus is used to determine the deflection temperature limit for specific application.

Application :

Plastic Materials being heat sensitive in nature has a lot of bearing on its environment for its performance. Though their behavior in thermal conditions is very complex, some simple yield tests are used to predict its behavior and performance in given conditions. This is one such yield point very commonly employed with such demanding conditions.



Carbon Black Content

Product:

HEXA PLAST Carbon Black Content is used to determine the carbon black content of polyethylene compounds

Application :

This test method covers the determination of the carbon black content in polyethylene, polypropylene, and polybutylene plastics. Determinations of carbon black content are made gravimetrically after pyrolysis of the sample under nitrogen.



CNC Milling Machine / Contour Cutter

Product:

Hexaplast CNC milling machine is used to using rotary cutters to remove material by advancing a cutter into a work piece.

Application :

This machine used to remove material varying direction on one or several axes, cutter head speed, and pressure. Milling covers a wide variety of different operations and machines, on scales from small individual parts to large, heavy-duty gang milling operations. It is one of the most commonly used processes for machining custom parts to precise tolerances.



Oxidation Induction Tester

Product:

HEXAPLAST OIT Test are used to study the behavior of materials towards the heat as a function at temperature and time.

Application :

Hexa Plast offer Oxidation Induction Time Test apparatus based on Differential Thermal Analysis (DSC) principle. With PID Based Micro Controller With 0.1 oC least count. Delta Temperature Time Graph Display facility on your Computer monitor with oxidation induction time section parameters.



Our range of products

- | | | | |
|---|---|--|--|
| <ul style="list-style-type: none">● Hot Water Bath● Hot / Cold Water Bath● Carbon Black Dispersion Tester● Emitting Flow Rate Checking Machine● Reversion Oil Bath (Reversion Test Apparatus)● Sheet Molding Press● Muffle Furnace● Dumbbell Die● Melting Point Apparatus | <ul style="list-style-type: none">● Pipe Notch Cutter● Contour Cutter (Sample Preparation For Tensile Test)● Malfunctioning Test Equipment For CPVC Pipe● For CPVCPipe● Opacity Tester● Density Test Apparatus● Pipe Chamfering Machine● Pipe Threading Machine● E.S.C.R. (Environment Stress Cracking Resistance Tester) | <ul style="list-style-type: none">● Flammability Chamber● Air Circulating Oven / Hot Air oven● Humidity Chamber● DSC / OIT Test Apparatus● Conditioning Chamber● Compression Tester● Freezer (Zero Degree Chamber)● Pipe Burst Tester● Collapse Test Apparatus● High Voltage Tester (H.V. Tester) | <ul style="list-style-type: none">● Gauges For Collapse Test● Gauges For Conduit Pipes● Ball Point Impact Tester● Bending Test Apparatus● Thermal Test Apparatus● Dumbbell Press● Lab Mixer● Automatic Sample Preparation Machine |
|---|---|--|--|



Hexa Plast Testing equipment complete the Lab test for PE, PP, PS, PC, PVC, PET, NYLON 6, NYLON 66, PC, & ABS materials as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Tensile With Flexural Tester

Product:

HEXAPLAST Flexural Tester used to measure the material's ability to resist deformation underload.

Application :

Flexural strength also known as modulus of rupture, bend strength, or fracture strength. The transverse bending test is most frequently employed. In which a specimen having either a circular or rectangular cross section is bent until fracture or yielding using three point flexural test technique



Izod / Charpy Impact Tester

Computerized and Digital Model.

Product:

Hexa Plast Izod/Charpy Impact tester is used to determine the relative susceptibility of standard test specimen.

Application :

Impact is a very important phenomenon in governing the life of a structure and also used to study the toughness of the material. A material's toughness is a factor of its ability to absorb energy during plastic deformation.



Flammability Chamber

Product:

HEXAPLAST Vertical Flammability Chamber / Tester for measuring the vertical flame spread of children's sleepwear, fabrics (fabric burn test), other textile materials or resilient filling materials used in upholstered furniture.

Application :

Comprises a draft free stainless steel flammability chamber with observation window and back wall painted black for easy test viewing. Calibrated burner. Flame speed is measured in time. Specimen holders, burners and associated hardware are dependent on the test standard and must be specified. Automatic gas and timing control system of this vertical flammability tester including solenoid control gas valve and automatic ignition timer and controls.



Rockwell Hardness

Product:

The Rockwell scale is a hardness scale based on indentation hardness of a material

Application :

The Rockwell test determines the hardness by measuring the depth of penetration of an indenter under a large load compared to the penetration made by a preload.



Compression Tester

Product:

A compression test determines behavior of materials under crushing loads. The specimen is compressed and deformation at various loads is recorded. Compressive stress and strain are calculated and plotted as a stress-strain diagram which is used to determine elastic limit, proportional limit, yield point, yield strength and, for some materials, compressive strength.



Our range of products

- Digital Density
- Shore Hardness "A"
- Sheet Molding Press
- Ash Content Tester
- UV Weathering Chamber
- Shore Hardness "D"
- Two Roll Mill
- MFI
- Motorise Notch Cutter



Hexa Plast Testing equipment complete the Lab test for PP, PVC, and ABS materials as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Humidity Chamber

Product:

HEXA PLAST Humidity chamber is used to determine the effect of specified environmental condition.

Application :

Humidity Chamber can use test specimens for further physical or chemical Tests and also as environmental conditions for conducting testing of specimens.



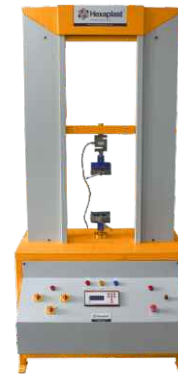
Universal Tensile Testing Machine

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

Tensile Test is the universal test applied to many polymers for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties like tensile strength and modulus, elongation, compressive strength etc. are calculated by using this machine.



Carbon Black Content

Product:

HEXA PLAST Carbon Black Content is used to determine the carbon black content of polyethylene compounds

Application :

This test method covers the determination of the carbon black content in polyethylene, polypropylene, and polybutylene plastics. Determinations of carbon black content are made gravimetrically after pyrolysis of the sample under nitrogen.



High Voltage Tester

Product:

HEXA PLAST High Voltage Tester can be broadly classified into testing of insulating materials (samples of dielectrics) and tests on completed equipment.

Application :

The tests carried out on completed equipment are the measurement of capacitance, the power factor or the total dielectric loss, the ultimate breakdown voltage and the flash-over voltage.



Aging Oven

Product:

HEXA PLAST Aging Oven is often used to accelerate the aging process. It is also a way of imitating conditions the specimen may be exposed to in the product lifetime.

Application :

Standard testing can be performed on the aged samples and comparison can be made to non-aged samples.



Our range of products

- Carbon Black Dispersion Tester
- Density Test Apparatus
- Dumbbell Die
- Conditioning Chamber
- Air Circulating Over/Hot Air Over
- Flammability Chamber

For more product details visit. www.hexaplastindia.com



Hexa Plast Testing equipment complete the Lab test for LDPE, HDPE, LLDPE, PP and nylon materials as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Universal Tensile Testing Machine

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking

Application :

Tensile Test is the universal test applied to many polymers for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties like tensile strength and modulus, elongation, compressive strength etc. are calculated by using this machine.



Co- Efficient Of Friction Tester

Product:

HEXA PLAST COF Tester is designed to measure the co-efficient of friction of plastics films.

Application :

The Co-Efficient of Friction Tester describes the ratio of the force of friction between two bodies and the force pressing them together.



Free Falling Dart Impact Tester

Product:

HEXA PLAST Falling Dart Impact Tester is designed to measure the Impact strength of the free falling dart.

Application :

The Impact Properties of the polymeric materials are directly related to the overall toughness of the material. This method is used to determine the impact resistance of the plastic film under specific impact of the free falling dart.



Opacity Tester

Product:

HEXA PLAST Opacity Tester is to find out the opacity of the plastics films.

Application :

Opacity testing is a process of testing how opaque and also how transparent a particular substance is. Opacity testing can also be used to test the quality of Plastics Films.



Vibration Tester

Product:

Hexaplast make Vibration Tester use to determine ability of a package to withstand these vibrations and to protect the contents.

Application :

Hexaplast offer Vibration tester to encountered during shipping (vehicle vibration, rough roads, and movement on conveyors. Potential vibration damage.



Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures.

Tear Tester

Product:

HEXAPLAST Tear Tester is used to measure the tear resistance of a plastic material.

Application :

The Tearing Strength Tester is based on the principle of measuring the Internal tearing resistance. It is used to determine the average force in grams per sample required to propagate tearing through a particular length of plastics film.

Box Compression Tester

Product:

Hexaplast make box compression tester used to determination of the strength of cartons, containers, cardboard boxes, etc.

Application :

Hexaplast make box Compression Tester is used to determine compression strength and estimate stacking test of transport packages such as corrugated carton and honeycomb paperboard box.

Hot Tack Tester

Product:

Hexaplast make Hot Tack Tester measures the strength of heat seals formed between thermoplastic surfaces of flexible webs, immediately after the seal has been made and before it cools to room temperature.

Application :

Hot Tack Testing provides Threshold sealing temperature, the minimum temperature at which the required hot tack strength is reached, Seal strength, which is the maximum peak force, Hot tack temperature range, the temperature range in which the required hot tack strength is obtained.



Our range of products

- Carbon Black Content Test Apparatus
- Carbon Black Dispersion Tester
- Puncture Tester for Firm
- Density Test Apparatus
- Muffle Furnace
- Conditioning Chamber
- Melting Point Apparatus
- Peel Strength Tester
- Film Shrinkage Tester
- Air Circulating Oven / Hot Air Oven
- Burst Tester For Film and Corrugated Box
- Lab Micrometer
- Pouch compression Tester
- Box Burst Tester
- Color Matching Machine

For more product details visit. www.hexaplastindia.com



Hexa Plast Testing equipment complete the Lab test for Woven & Non Woven materials as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Universal Tensile Testing Machine Three Load cell Tensile

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

Tensile test is the universal test applied to many fabric/tape & FIBC for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties likes tensile strength and modulus, elongation, compressive strength etc. are calculated by using this machine.



Ash Content Tester

Product:

The H EXA PLAST Ash Content Tester is used to find out the filler content.

Application :

An Ash test is used to determine if a material is filled. The Ash test result is expressed as % ash. The total ash content equals the weight of the ash divided by the weight of the original sample multiplied by 100%.



FIBC Tester

Product:

HEXA PLAST FIBC Tester has been specially designed for testing procedures for which the bag is suspended on its top and for the cyclic charge of FIBCs having one, two or four lifting loops.

Application :

Top Lift Tests and Cyclic Top Lift Tests of FIBCs with single-point and multi-point suspension according to all National and International Standards can be performed in an easy,quick and accurate manner on a high technical standard.



UV Weathering Tester

Product:

HEXA PLAST UV Weathering Tester simulates the effects of sunlight using special fluorescent UV lamps. It simulates dew and rain with condensing humidity and/or water spray.

Application :

The UV weathering tester reproduces the damage caused by sunlight, rain and dew. In a few days or weeks, the UV tester can reproduce the damage that occurs over months or years outdoors.



Our range of products

- Melt Flow Indexer (M.F.I.)
- Melting Point Apparatus
- Peel Strength Tester
- Density Test Apparatus
- Conditioning Chamber
- Wrap Reel
- GSM Tester
- Tear Tester



Hexa Plast Testing equipment complete the Lab test for LDPE, HDPE, LLDPE, PP and UF materials as per, IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Universal Tensile Testing Machine with Flexural Tester

Product:

HEXAPLAST Flexural Tester used to measure the material's ability to resist deformation Under load.

Application :

Flexural strength also known as modulus of rupture, bend strength, or fracture strength. The transverse bending test is most frequently employed. In which a specimen having either a circular or rectangular cross section is bent until fracture or yielding using three point flexural test technique



Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures.



Carbon Black Content

Product:

HEXA PLAST Carbon Black Content is used to determine the carbon black content of polyethylene compounds

Application :

This test method covers the determination of the carbon black content in polyethylene, polypropylene, and polybutylene plastics. Determinations of carbon black content are made gravimetrically after pyrolysis of the sample under nitrogen.



Hot Air Oven

Product:

HEXA PLAST Hot air oven is used for multiple test application for plastics like shrinkage, reversion & moisture content.

Application :

This test method is applicable to distinguish between properly and improperly molded plastics. It can be used to determine whether cold slugs or shrinkage areas are present.



Dumbbell Press

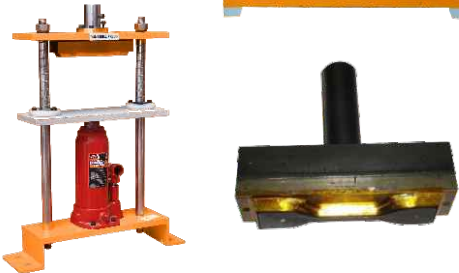
Product:

HEXAPLAST dumbbell press used to cut dumbbell shape tensile specimen. It needs following dies

a) Dumbell die75mm

b) Dumbell die115mm

c) Dumbell die150mm



Our range of products

- Impact Tester
 - Density Test Apparatus
 - Drop Tester
- Conditioning Chamber
 - Dumbbell Die
 - Dumbbell Press
- Contour Cutter (Sample Preparation for Tensile Test)
 - Melting Point Apparatus

For more product details visit. www.hexaplastindia.com



Hexa Plast Testing equipment complete the Lab test for LDPE, HDPE, UHMDPE, PP and nylon materials as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Drop Tester

Product:

Hexa Plast Drop tester is used to determine the impact strength of dropping.

Application :

Drop Tester is the important phenomenon to assess the product impact. The energy absorbed by a specimen when it breaks can be estimated.



Burst Tester For Containers

Product:

HEXA PLAST Burst Tester is designed to measure the bursting strength of the plastic films.

Application :

Burst Tester apparatus has found wide acceptance in the plastics industry for quality control. Burst Tester is used to study the strength of the plastics Container toward the force. By this method we can get the burst strength of a flexible pack by pressurizing the package until it bursts.



Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures.



Top Load Tester

Product:

HEXA PLAST Top Load Tester used to determine the integrity of plastic molded bottles.

Application :

Top-load and crush resistance testing reduces the risk of containers deforming or failing when subject to forces during filling, closure, storage and transport. Top-load testers provide a reliable and accurate solution for meeting design standards in the laboratory and on the production floor.



Torque Tester

Product:

HEXA PLAST Torque Tester is an instrument designed to test the opening torque of screwed closures and breaking strength of caps.

Application :

Torque Tester equipment is especially for PET bottle industry, in beverage industry and pharmaceutical industry. This equipment is handy and can be carried on the shop floors as well as be placed inside the laboratory.



Environmental Stress Cracking Resistance Tester

Product:

HEXA PLAST Environmental Stress Cracking Resistance (ESCR) Tester is used for determining the susceptibility of plastic material.

Application :

Environmental Stress Cracking is a property that is highly dependent upon the nature and level of stress applied and the thermal history of specimen. This test is normally employed for routine inspection purpose.



Universal Tensile Testing Machine

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

Tensile Test is the universal test applied to many polymers for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties like tensile strength and modulus, elongation, compressive strength etc. are calculated by using this machine.



Hot Wire Bottle Cutter

Product:

The HEXA PLAST Hot Wire Bottle Cutter is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

Hot Wire Bottle Cutter offers an easy and cost saving way for cutting containers for section weight analysis. A clean section without deformation will be obtained by a quick cutting of bottles through heated hot wires.



Our range of products

- Carbon Black Content Test Apparatus
- Carbon Black Dispersion Tester
- Density Test Apparatus
- Conditioning Chamber
- Air Circulating Oven / Hot Air oven
- Melting Point Apparatus
- Flexural Tester
- Vibration Tester
- Compression Tester
- Lab Blow Molding Plant
- Izod / Charpy Impact Tester
- Hot Wire Bottle Cutter

For more product details visit. www.hexaplastindia.com



Hexa Plast Testing equipment complete the Lab test for Phenolics, PVC, Epoxy and Vinyl ester materials.

Two Roll Mill

Product:

HEXA PLAST Two Roll Mill equipment is used to mix the plastics materials under sufficient amount of heat.

Application :

For rapid and homogeneous mastication of Resin , compounding of Different chemicals for preparation of sample batch and for quality control purpose . The Two roll mixing-Mill are suitable for different usage such as compounding Mill, sheeting Mill, warming Mill and supply Mill.

Compression Molding Press

Product:

HEXA PLAST Compression Molding Press possess long slide guide with lubrication system for better accuracy which makes it the most suitable for molding of Plastic rubber fiber, melamine, etc.

Application :

Compression Molding Presses are available either hot or cold. Available with temperature controlled heated platens or with temperature controls for independently heated tools.

Ash Content Tester

Product:

HEXA PLAST Ash Content Tester is used to find out the filler content.

Application :

An Ash test is used to determine if a material is filled. The Ash test result is expressed as % ash. The total ash content equals the weight of the ash divided by the weight of the original sample multiplied by 100%.

Izod / Charpy Impact Tester

(Tensile Impact Tester, Pendulum Impact Tester.) Computerized and Digital Model.

Product:

Hexa Plast Izod/Charpy Impact tester is used to determine the relative susceptibility of standard test specimen.

Application :

Impact is a very important phenomenon in governing the life of a structure and also used to study the toughness of the material. A material's toughness is a factor of its ability to absorb energy during plastic deformation.

Carbon Black Content

Product:

HEXA PLAST Carbon Black Content is used to determine the carbon black content of polyethylene compounds

Application :

This test method covers the determination of the carbon black content in polyethylene, polypropylene, and polybutylene plastics. Determinations of carbon black content are made gravimetrically after pyrolysis of the sample under nitrogen.



Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures.



Laboratory Extruder

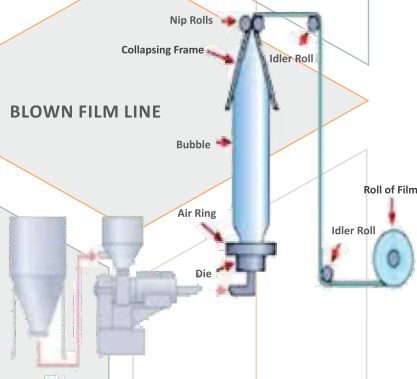
Product:

HEXAPLAST extruder is a high-volume manufacturing process in which raw plastic is melted and formed into a continuous profile.

Application :

Extruder produces items such as pipe/tubing, weatherstripping, fencing, deck railings, window frames, plastic films and sheeting, thermoplastic coatings, and wire insulation.

(a) Lab scale Film Plant



(b) Palletizing Unit



Lab Mixer

Product:

H EXAPLAST Lab mixer jacketed container of 10 liters vessel capacity.

Application :

Specially designed bottom curvature of mixing vessel gives perfect vortex formation results into homogeneous and free dry blend. Frictional heat efficiently prepares the best quality of dry blend. Lab cooler mixer with cooling cone can be incorporated.

Our range of products

- Dumbbell Die
- Dumbbell Press
- Density Test Apparatus
- Conditioning Chamber
- Motorized Notch Cutter
- Melting Point Apparatus
- Universal Tensile Testing Machine
- Air Circulating Oven / Hot Air oven
- Contour Cutter (Sample Preparation For Tensile Test)

For more product details visit. www.hexaplastindia.com



Hexa Plast Testing equipment complete the Lab test for all recyclable plastic material as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures.



Density Test Apparatus

Product:

HEXAPLAST it is weighed in air and then suspended in a liquid (usually water).

Application :

High Precision Balances incorporate advanced Electro Magnetic Force Compensation (EMFC) technology for offering unmatched accuracy and reliability, coupled with unique ADC circuit with inbuilt temperature compensation to offer a very high stability upto a resolution of 6 million counts, All adjustment parameters are programmable to take care of any minor mismatch of different sub assemblies & Balances are configured with these parameters.



Ash Content Tester

Product:

The HEXA PLAST Ash Content Tester is used to find out the filler content.

Application :

An Ash test is used to determine if a material is filled. The Ash test result is expressed as % ash. The total ash content equals the weight of the ash divided by the weight of the original sample multiplied by 100%.



Sheet Molding Press

Product:

HEXA PLAST Compression Molding Press possess long slide guide with lubrication system for better accuracy which makes it the most suitable for molding of Plastic rubber fiber, melamine, etc.

Application :

Compression Molding Presses are available either hot or cold. Available with temperature controlled heated platens or with temperature controls for independently heated tools.



Our range of products

- Melting Point Apparatus
 - Color Matching Cabinet
- Carbon Black Content
 - Carbon Black Dispersion
- Hot Air Oven
 - Universal Tensile Testing Machine



(Automobile and Engineering Plastics)

Hexa Plast Testing equipment complete the Lab test for PE, PP, PS, PC, PVC, PET, NYLON 6, NYLON 66, PC & ABS materials as per IS,BS,ASTM and so many equivalent standards for above mentioned materials.

Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures.



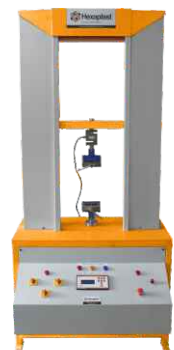
Universal Tensile Testing Machine

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Tensile Test is the universal test applied to many polymers for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties like tensile strength and modulus, elongation, compressive strength etc. are calculated by using this machine.



Izod / Charpy Impact Tester

Product:

Hexa Plast Izod/Charpy Impact tester is used to determine the relative susceptibility of standard test specimen.

Application :

Impact is a very important phenomenon in governing the life of a structure and also used to study the toughness of the material. A material's toughness is a factor of its ability to absorb energy during plastic deformation.



UV Weathering Tester

Product:

HEXA PLAST UV Weathering Tester simulates the effects of sunlight using special fluorescent UV lamps. It simulates dew and rain with condensing humidity and/or water spray.

Application :

The UV weathering tester reproduces the damage caused by sunlight, rain and dew. In a few days or weeks, the UV tester can reproduce the damage that occurs over months or years outdoors.



Conditioning Chamber

Product:

HEXA PLAST Conditioning Chamber is for construction materials at non-ambient temperatures.

Application :

Any product and material show different properties at different environment. So for checking the properties of materials and product a standard temperature & humidity required for that particular product.



Our range of products

- Motorized Notch Cutter
- Density Test Apparatus
- Sheet Molding Press
- Melting Point Apparatus
- Humidity Chamber

For more product details visit. www.hexaplastindia.com



Hexa Plast Testing equipment complete the Lab test for PP, NYLON 6, NYLON 66, & PET material as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Universal Tensile Testing Machine

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

Tensile Test is the universal test applied to many polymers for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties like tensile strength and modulus, elongation, compressive strength etc. are calculated by using this machine.



Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures.



Humidity Chamber

Product:

HEXA PLAST Humidity chamber is used to determine the effect of specified environmental condition.

Application :

Humidity Chamber can use test specimens for further physical or chemical tests and also as environmental conditions for conducting testing of specimens.



Our range of products

- Density Test Apparatus
- Conditioning Chamber
- Air Circulating Oven / Hot Air oven
- UV Weathering Tester



Hexa Plast Testing equipment complete the Lab test for FRP/GRP materials as per IS, BS, ASTM and so many equivalent standards for above mentioned materials.

Hydrostatic Pressure Testing Machine

Product:

The Hexa Plast Pressure Testing Machines are designed keeping versatility in mind to perform with different applications as specified in local and International standard. Hexa's computerized machine is suitable for many praecox applications of GAS pipes.

Application :

This testing way is used for will power of resistance of thermoplastic pipe to continuous internal water pressure at constant temperature. It is applicable to thermoplastic pipes intended for the conveyance of fluids.



Izod / Charpy Impact Tester (Tensile Impact Tester, Pendulum Impact Tester.) Analog and Digital Model.

Product:

Hexa Plast Izod/Charpy Impact tester is used to determine the relative susceptibility of standard test specimen.

Application :

Impact is a very important phenomenon in governing the life of a structure and also used to study the toughness of the material. A material's toughness is a factor of its ability to absorb energy during plastic deformation.



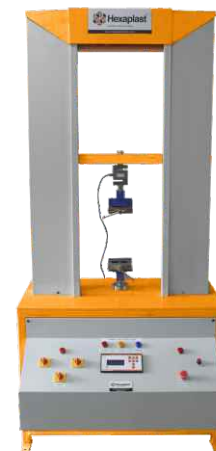
Universal Tensile Testing Machine

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

Tensile Test is the universal test applied to many polymers for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties like tensile strength and modulus, elongation, compressive strength etc. are calculated by using this machine.



Our range of products

- Pipe Notch cutter
- Motorized Notch Cutter
- Contour cutter
- Thermal Tester
- Humidity Chamber
- Compression Tester
- Density Test Apparatus
- Air Circulating Oven/ Hot Air Oven
- Pipe Burst Tester
- Ball Point Impact Tester
- Ash Content (Glass Content) Tester
- Ring Stiffness Tester

For more product details visit. www.hexaplastindia.com



Hexa Plast Testing equipment complete the Lab test for PP, PE, HDPE and LLDPE materials as per IS, BIS, ASTM and so many equivalent standards for above mentioned materials.

Melt Flow Indexer

Product:

HEXA PLAST Melt Flow Indexer is used to measure the flow behavior of a molten thermoplastic material.

Application :

Melt Flow Indexer has defined as the mass of polymer, in grams, flowing in ten minutes through a capillary of a specific diameter and length by a pressure applied via prescribed alternative gravimetric weights for alternative prescribed temperatures



Universal Tensile Testing Machine with CBR Puncture

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

The CBR puncture attachment is utilized to the determine the puncture resistance of the sheet by measuring the force required to penetrate. The Flat top ended plunger is used to go through the center of Geo synthetic type fabric.



Ash Content Tester

Product:

The HEXA PLAST Ash Content Tester is used to find out the filler content.

Application :

An Ash test is used to determine if a material is filled. The Ash test result is expressed as % ash. The total ash content equals the weight of the ash divided by the weight of the original sample multiplied by 100%.



Environmental Stress Cracking Resistance Tester

Product:

HEXA PLAST Environmental Stress Cracking Resistance (ESCR) Tester is used for determining the susceptibility of plastic material.

Application :

Environmental Stress Cracking is a property that is highly dependent upon the nature and level of stress applied and the thermal history of specimen. This test is normally employed for routine inspection purpose.



Water Permeability Apparatus

Product:

HEXA PLAST Permeability Apparatus Tester is used for determining the susceptibility of Geo Textiles / Geo Membrane material.

Application :

Geotextile Water Permeability Tester is used to determine the water permeability coefficient/hydraulic conductivity of a single layer of geotextile or related product normal to the plane, without load, by the constant head method.



Our range of products

- Carbon Black Content Tester
- Carbon Black Dispersion Tester
- Leakage Test by Pressure Head Test
- Free Falling Dart Impact For Film
- Humidity Chamber
- Auto Density Test Apparatus
- Hot Air Oven
- GSM Cutter With Tester
- Hydrostatic Pressure Testing Machine
- Dumb Bell Sample Punching Die
- Leakage Test by cone method Water repellency tester

For more product details visit. www.hexaplastindia.com



Hexa Plast Testing equipment over the period of Time also shared the Customized Solution for the Different Industrial Requirement

Ball Valve Pressure Testing Machine

Product:

The Hexa Plast Pressure Testing Machines are designed keeping versatility in mind to perform with different applications as specified in local and International standard.

Application :

This testing Machine is Utilized to check the compatibility of ball valve By applying the Hydro pressure test .



DSC OIT (Differential Scanning Calories Tester / Oxidation Induction Tester) (Computerized DSC / OIT Tester)

Product:

Hexa plast had Successfully Manufacture the Machine of Differential Scanning calorie meter for the testing of both the behavior of scanning calorie & oxidative inductive time

Application :

The Differential scanning calorie meter is been used to measure the release of energy during the transition of form of material from solidity to molten flow.



Universal Tensile Testing Machine (15 TON Capacity)

Product:

The HEXA PLAST UTM is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

Tensile Test is the universal test applied to many polymers for checking the mechanical properties & it is the most important property as majority of mechanical loading & properties like tensile strength and modulus, elongation, compressive strength etc. are calculated by using this machine. This machine is Been Specially Designed to perform the test of heavy Duty Function of tensile.

Customized Grips for Universal Tensile machine

- 1.Wedge Type grip
2. CBR Puncture Grip
- 3.Grab Grips
4. Compression Grip
5. Flexural Grip



Water Permeability Apparatus For Geotextile

Product:

The HEXA PLAST Permeability Apparatus For Geotextile is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

The compressive strength is been used to check the property of rigid cellular plastics . The heavy duty compressive strength machine is utilized to determine the total resistance power of rigid cellular plastic when put under certain compression pressure.



Compression Tester (250 Ton)

Product:

The HEXA PLAST Compression Tester is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

The compressive strength is been used to check the property of rigid cellular plastics . The heavy duty compressive strength machine is utilized to determine the total resistance power of rigid cellular plastic when put under certain compression pressure.



Conditioning Chamber & With Humidity Chamber With Cyclic System

Product:

The HEXA PLAST Conditioning Chamber & Humidity Chamber is to measure the materials with standing force capacity by pull it part and to determine to what extent the materials stretches before breaking.

Application :

The cyclical humidity and conditioning Chambers help you to test the influence of Temperature and Humidity on the properties, function and life span of your products. With the help of different functional properties and various operational combinations the various conditional effect can be analysed on real time basis.



PRODUCT TESTING SOLUTION ACCORDING TO NATIONAL & INTERNATIONAL STANDARDS

Pipe & Fittings Testing Solution

- HDPE Pipe Testing IS : 4984 - 2016 & IS : 14333
- Sprinkler Pipe Testing IS : 14151
- R-PVC Pipe Testing IS : 4985 : 2000
- PLB Duct Testing (As per DOT Standard)
- LLDPE Drip Pipe Testing IS : 12786 / 13488
- Online Emitters / Drippers IS : 13487
- Casing Pipe Testing IS : 12818
- MDPE Pipe Testing IS : 14885/ISO 4437
- Conduit Systems for Electrical Installation IS : 14930:2001 (Part-1 & 2)
- Flexible PVC Hose Testing IS : 15265
- PVC Sewerage Pipe Testing IS : 15328
- C-PVC Pipe Testing IS : 15778
- C-PVC Pipe Testing IS : 15778
- PPR Pipe Testing IS : 15801
- Electrical Conduits Testing IS : 9537 (Part-1 & 3)
- u-PVC Pipe Testing ASTM D 1785
- SWR Pipes Testing IS : 13592
- SWR Fittings IS : 14735
- Structured Wall Plastics Piping Systems for Non-pressure Drainage and Sewerage Testing IS : 16098:2013 (Part-1 & 2)
- OPVC Pipe Testing IS : 16647 – 2017
- Geosynthetics – Reinforced HDPE membrane for effluents and chemical resistance lining: As Per IS: 17374:2020
- UNPLASTICIZED POLYVINYL CHLORIDE (UPVC) INJECTION MOULDED FITTINGS: As Per IS: 14735 : 1999
- TEXTILES —HIGH DENSITY POLY ETHYLENE (HDPE) / POLYPROPYLENE (PP) WOVEN SACKS FOR PACKAGING 50 KG/25 KG SUGAR: IS 14968:2015
- HIGH DENSITY POLYETHYLENE PIPES FOR SEWERAGE: IS 14333: 1996
- We can also make customized testing equipments as per your requirements (ASTM, ISO, BIS, DIN for plastic testing).

Our Presence More than 50 countries.



Our product range for more details

- 1. Plastic Testing Equipment :- www.plasticstestingequipment.com
- 2. Paper Testing Equipments :- www.papertestingequipments.com
- 3. Rubber Testing Equipment :- www.rubbertestingequipments.com
- 4. Socketing/Belling Machine :- www.pvcpipesocketingmachine.com
www.pvcpipebellingmachine.com
- 5. Bending machine :- www.plsticpipebendingmachine.com



Our Product Range

- Lab testing equipments for plastic, rubber, paper
- Socketing machine/belling machine
- Bending machine
- Threading Machine
- Slotting Machine

Address

(i) : L-4126/1, Phase IV, B/h New Nirma, G.I.D.C, Vatva, Ahmedabad – 382 445,
Gujarat, India

(ii) : Plot No. 4008, Phase IV, G.I.D.C. Vatva, Nr. Nika tube cross Road, B/h. New Nirma ,
Vatava , Ahmedabad. Gujarat. India.

 Contact: +91 9825031377/+91 9825088726/+91 9537977333

 www.hexaplastindia.com  info@hexaplastindia.com / hexaplastindia@gmail.com