



Testing instruments for plastic industries



your valued
quality delivered



Who we are?

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. With our extensive portfolio of state-of-the-art and competitively priced testing machines and systems, we supply standard or customized solutions for many test, measurement and quality control tasks required in the world of modern materials testing. Hexa Plast offers value for money to its customers by putting customer interests first and delivering the best quality service exceeding their expectations. We abide by the motto of Excellence, Reliability, Trust and Mutual Growth.

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- Plastic Pipe Industries.
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- Blow Molding Industries.
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- Plastic Rope Industries.
- FRP / GRP Pipes and Products.



Plastic Pipe Industries

Hexa Plast Testing equipment complete the Lab test for PE, HDPE, LDPE, PP, 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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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.



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.

Standards :

As Per IS, ASTM standards.

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.

Standards :

As per ASTM D 1238, IS 1133 and so many equivalent standards.

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.

Standards :

As per IS, ASTM Standards.

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.

Standards :

As per ASTM D 648, ASTM D 1525, IS 10810 and so many equivalent standards.

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

Standards :

As per IS Standards, ASTM D 1603 and so many equivalent standards.

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.



Our range of products

- Hot Water Bath
- Hot / Cold Water Bath
- Carbon Black Dispersion Tester
- Online Thickness Measuring Device
- Emitting Flow Rate Checking Machine
- Reversion Oil Bath (Reversion Test Apparatus)
- Cool Water Bath
- Lab Molding Press
- Motorized Notch Cutter
- Muffle Furnace
- Dumbbell Die
- Melting Point Apparatus
- Pipe Notch Cutter
- Contour Cutter (Sample Preparation For Tensile Test)
- Malfunctioning Machine
- Opacity Tester End Fittings
- Density Test Apparatus
- Pipe Chamfering Machine
- Pipe Threading Machine
- E.S.C.R. (Environment Stress Cracking Resistance Tester)
- 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)
- Gauges Crush Tester
- Gauges For Conduit Pipes
- Ball Point Impact Tester
- Bending Test Apparatus
- Thermal Tester
- Dumbbell Press
- B.O.D. Incubator
- Lab Micrometer
- Vacuum Oven
- Sheet Molding Press
- Lab Mixer
- Top Load Tester

For more product details visit www.hexaplastindia.com

Packaging Industries

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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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.

Standards :

As per ASTM D 1894, IS 13360 and so many equivalent standards.

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.

Standards :

As per IS standards, ASTM D 1709, D5628, IS 13360 and so many equivalent standards.

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.

Standards :

As per IS standards, ASTM D 1746, D 1746, IS : 4985, 2000, IS :14625 : 1999, IS : 15410 : 2003 and so many equivalent standards.

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.



Melt Flow Indexer

Product :

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

Standards :

As per ASTM D 1238, IS 1133 and so many equivalent standards.

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 :

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

Standards :

As per ASTM D 1004, 1922, IS 13360, and so many equivalent standards.

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.



Our range of products

- Carbon Black Content Test Apparatus
- Carbon Black Dispersion Tester
- Puncture Tester For Film
- 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
- B.O.D. Incubator
- Lab Extruder Lab Mixer
- Color Matching Machine
- Photo Spectro Meter

For more product details visit www.hexaplastindia.com

Woven Sack & Raffia Tape Manufacturing Industries

Hexa Plast Testing equipment complete the Lab test for LDPE, HDPE, LLDPE, PP and PET 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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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.



Ash Content Tester

Product :

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

Standards :

As per IS standards, ASTM D 5630, D4218, D790, D2974, D4218 and so many equivalent standards.

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%.



Puncture Tester

Product :

The HEXA PLAST Puncture Tester is used to measure the puncture resistance of a material.

Standards :

As per IS standards, ASTM D 2582, D7192, D3763, D781 and so many equivalent standards.

Application :

Puncture resistance denotes the relative ability of a material to inhibit the progression of a tear once it has been pierced by a cut or a nick. Tests devised to measure puncture resistance are generally application-specific, covering items.



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.

Standards :

As per D3776, IS 21898, IS 14738 and so many equivalent standards.

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.



Tear Tester

Product :

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

Standards :

As per ASTM D 1004, 1922, IS 13360, and so many equivalent standards.

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.



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.

Standards :

As per ASTM D 4363, D 1435, D 4799, G 154 and so many equivalent standards.

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

For more product details visit www.hexaplastindia.com

Rotational Molding Industries

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

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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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.

Standards :

As per ASTM D 1238, IS 1133 and so many equivalent standards.

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.



Flexural Tester

Product :

HEXA PLAST Flexural Tester used to measure the material's ability to resist deformation under load.

Standards :

As per ASTM D790, D511, D7264 and so many equivalent standards.

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 a three point flexural test technique.



Carbon Black Content

Product :

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

Standards :

As per IS Standards, ASTM D 1603 and so many equivalent standards.

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.

Standards :

As per IS Standards, ASTM D 1753 and so many equivalent standards.

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.



Our range of products

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

For more product details visit www.hexaplastindia.com

Cable Manufacturing Industries

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.

Standards :

As per IS Standards, ASTM D 618 and so many equivalent standards.

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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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

Standards :

As per IS Standards, ASTM D 1603 and so many equivalent standards.

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.

Standards :

As per IS Standards, ASTM D 1868 and so many equivalent standards.

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.

Standards :

As per IS Standards, ASTM D 573, D5721 and so many equivalent standards.

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
- Conditioning Chamber
- Density Test Apparatus
- Air Circulating Oven / Hot Air oven
- Dumbbell Die
- Dumbbell Press
- Flammability Chamber

For more product details visit www.hexaplastindia.com

Barrel Manufacturing Industries

Hexa Plast Testing equipment complete the Lab test for LDPE, HDPE, UHMDPE, PP and PC, PET 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.

Standards :

As per ASTM D 7790, D 1709, IS 2248 and so many equivalent standards.

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.

Standards :

As per ASTM D 1599, D3420, D 2105, IS 1133 and so many equivalent standards.

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 film 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.

Standards :

As per ASTM D 1238, IS 1133 and so many equivalent standards.

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.

Standards :

As per ASTM, IS and so many equivalent standards.

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.



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

For more product details visit www.hexaplastindia.com

Compounds Manufacturing Industries (Resins)

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

Two Roll Mill

Product :

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

Standards :

As per IS Standards, ASTM D 6989 and so many equivalent standards.

Application :

A mill is typically assembled on a steel foundation plate, which is again set on rubber-pads or sound-metals adjustable, to isolate noise-levels to the building also to avoid tensions on the mill structure, precisely levelling out of the mill is very important for smooth operation.



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 urea, rubber fiber, melamine, etc.

Standards :

As per ASTM and IS standards.

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.

Standards :

As per IS standards, ASTM D 5630, D4218, D790, D2974, D4218 and so many equivalent standards.

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.) Analog and Digital Model.

Product :

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

Standards :

As per IS standards, ASTM D 256 and so many equivalent standards.

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

Standards :

As per IS Standards, ASTM D 1603 and so many equivalent standards.

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.



Humidity Chamber

Product :

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

Standards :

As per IS Standards, ASTM D 618 and so many equivalent standards.

Application :

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



Melt Flow Indexer

Product :

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

Standards :

As per ASTM D 1238, IS 1133 and so many equivalent standards.

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.



Our range of products

- Lab Mixer
- B.O.D. Incubator
- Lab Extruder
- Dumbbell Die
- Dumbbell Press
- Sheet Molding Press
- Lab Molding Press
- Charpy Impact Tester
- 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

Blow Molding Industries

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

Top Load Tester

Product :

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

Standards :

As per ASTM, IS and so many equivalent standards.

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.

Standards :

As per IS standards, ASTM D 2639, D 3795 and so many equivalent standards.

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.



Drop Tester

Product :

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

Standards :

As per ASTM D 7790, D 1709, IS 2248 and so many equivalent standards.

Application :

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



Environmental Stress Cracking Resistance Tester

Product :

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

Standards :

As per ASTM D2561, D 5419, IS 3360, IS 8747 and so many equivalent standards.

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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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

- Vibration Tester
- Compression Tester
- Lab Blow Molding Film Plant
- Izod / Charpy Impact Tester
- Conditioning Chamber
- Flexural Tester

For more product details visit www.hexaplastindia.com

Injection Molding Components Manufacturing Industries

(Automobile and Engineering Plastics)

Hexa Plast Testing equipment complete the Lab test for PE, PP, PS, PC, PVC, PET, NYLON 6, NYLON 6, 6, 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.

Standards :

As per ASTM D 1238, IS 1133 and so many equivalent standards.

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 :

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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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.



Flexural Tester

Product :

HEXA PLAST Flexural Tester used to measure the material's ability to resist deformation under load.

Standards :

As per ASTM D790, D 511, D7264 and so many equivalent standards.

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 a three point flexural test technique.



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.

Standards :

As per IS standards, ASTM D 256 and so many equivalent standards.

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.

Standards :

As per ASTM D 4363, D 1435, D 4799, G 154 and so many equivalent standards.

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.

Standards :

As per ASTM D 5229, D 1776 and so many equivalent standards.

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
- Two Roll Mill
- Density Test Apparatus
- Humidity Chamber
- Sheet Molding Press
- Lab Molding Press
- Compression Molding Press
- Melting Point Apparatus

For more product details visit www.hexaplastindia.com

Plastic Rope Industries

Hexa Plast Testing equipment complete the Lab test for PP, Nylon 6, Nylon 6, 6, and PET 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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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.

Standards :

As per ASTM D 1238, IS 1133 and so many equivalent standards.

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.

Standards :

As per IS Standards, ASTM D 618 and so many equivalent standards.

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
- Peel Strength Tester

For more product details visit www.hexaplastindia.com

FRP / GRP Pipes and Products

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.

Standards :

As Per IS, ASTM standards.

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.

Standards :

As per IS standards, ASTM D 256 and so many equivalent standards.

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.

Standards :

As per IS standards, ASTM D 638, D882, D790, D695 BIS 2782 and so many equivalent standards.

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 | • Compression Tester | • Bending Test Apparatus |
| • Motorized Notch Cutter | • Gauges for Conduit Pipes | • Pipe Burst Tester |
| • Contour cutter | • Emitting Flow Rate Checking Machine | • Pipe Chamfering Machine |
| • Thermal Tester | • Density Test Apparatus | • Ball Point Impact Tester |
| • Humidity Chamber | • Air Circulating Oven/ Hot Air Oven | |

For more product details visit www.hexaplastindia.com



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