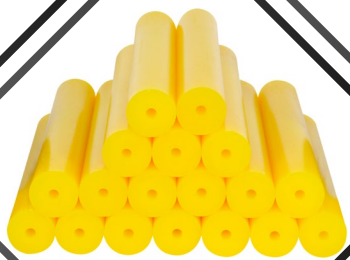
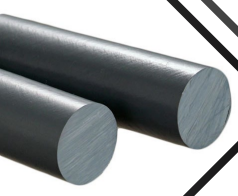
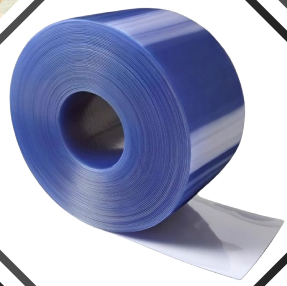
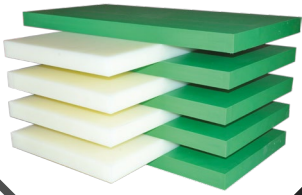
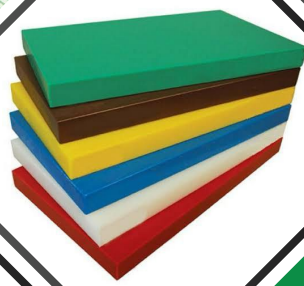




SHIBAAM POLYMERS



SHIBAAM POLYMERS

TAP TO CONNECT

Yusuf
 +91 94488 34807 

No. 28-F2, Bidadi Industrial Area, Abbanakuppe,
Bidadi-Harohalli Road, Bangalore – 562 109 (INDIA)

www.shibaam.com

yusuf@shibaam.com

ABOUT COMPANY

SHIBAAM POLYMERS established in 1999 is an acknowledged leading manufacturer in extrusion technologies of high performance engineering plastic products in India. We manufacture Nylon, PP, HDPE, PVC, Cast Nylon, POM- Polyacetal, PE, Polyurethane - PU and from that we produce Sheets, Rods, Square Rods, Profiles, Hollow Rods, High Impact PP Clicking Boards, Polymer Thick Wheels & Components as per your drawing and specification.

We have 40 advanced Extrusion Machineries for Rods, Sheets and other Engineering Plastic products.

Shibaam Polymers has created a culture of continual product and service development and has soon evolved into company of international renown. The quality of our products and services is measured on the basis of national and International standards and guidelines. We have established a worldwide sales network, supported by eternal customer-oriented and continuous improvement of products and processes. So far the products have been exported to USA, Russia, United Kingdom, Italy, Australia, Argentina, Ecuador, Uruguay, UAE, Saudi Arabia, Sweden, South Africa, Oman, Qatar, Iran, Jordan, Kuwait, Bangladesh, Sri Lanka and several other countries. We have won good appraisal from all of our clients for high performance products, preferential price and omnibearing services.

MEET THE TEAM



Mohammed Lodhgar



Yusuf Shahpurwala



Murtuza Lodhgar



Mufaddal Lodhgar

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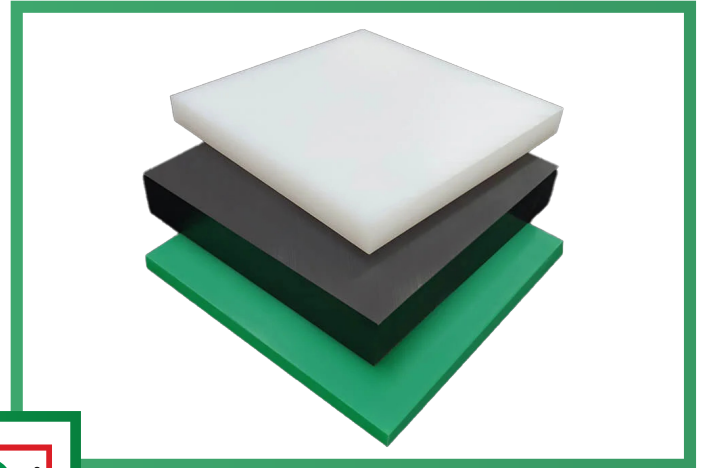
POLYACETAL SHEETS & RODS

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UHMW – PE



Product Description

UHMW-PE (ultra-high molecular weight polyethylene) sheets are a type of plastic that is known for its extremely high wear and abrasion resistance. It is also self-lubricating, has a low coefficient of friction, and is resistant to chemicals and moisture. Our commitment to engineering excellence is evident in every UHMW – PE Sheet we produce. Whether you seek wear resistance, low friction, or chemical resilience, our UHMW – PE Sheets are engineered to exceed your expectations and elevate your industry's performance.

Features

Excellent electrical insulation
 Chemical Resistance
 Moisture barrier
 High elongation

Sizes Available

- 1) **Thickness available from:** 1mm to 150mm
- 2) **Sizes available:** 1mt x 2mt, 1.22mt x 2.44mt, 1.2mt x 2mt, 1.5mt x 3mt
- 3) **Rods Dia available from:** 16mm dia to 400mm dia
- 4) **Squares available from:** 16mm sq to 150mm sq
- 5) **Profiles available as per customer requirement**

Performance and test conditions

Test Method

Typical Values

Mechanical Properties

Tensile Strength (psi) at 72°F	D638	5,800
Tensile Strength (psi) at 150°F	D638	400
Tensile Modulus (psi)	D638	80,000
Tensile Elongation at Break (%)	D638	300
Flexural Strength at Yield (psi)	D790	3,500
Flexural Modulus (psi)	D790	88,000
Compressive Strength (psi)	D695	3,000
Compressive Modulus (psi)	D695	80,000
Shear Strength (psi)	D732	3,000
Hardness, Shore D	D785	D62-D66
IZOD Notched Impact (ft-lb/in)	D256	No Break

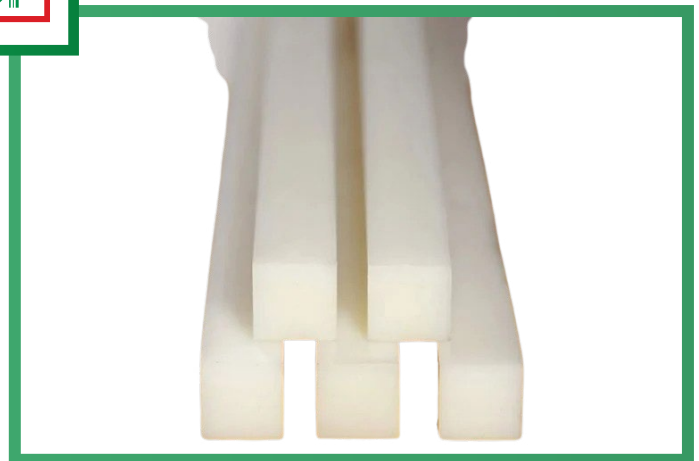
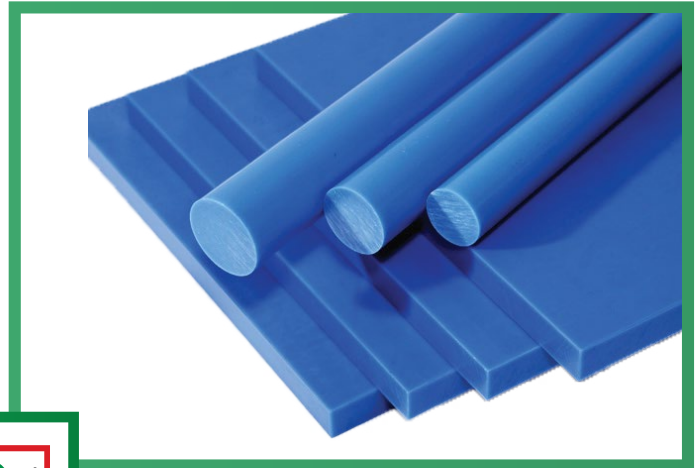
Thermal Performance

Coefficient of Linear Thermal Expansion (x 10 ⁻⁵ in./in./°F)	D696	11
Heat Deflection Temp (°F / °C)	D648	
at 66 psi		203 / 95
at 264 psi		180 / 82
Approx. Melting Temperature (°F / °C)	D3418	275 / 136
Max Operating Temp (°F / °C)	-	180 / 82
Thermal Conductivity (BTU-in/ft ² -hr-°F)	C177	2.84
(x 10 ^{-*} cal/cm-sec-°C)		10.0
Flammability Rating	UL94	HB

Electrical Performance

Dielectric Strength (V/mil) short time, 1/8" thick	D149	2300
Dielectric Constant at 1 MHz	D150	2.30-2.35
Dissipation Factor at 1 kHz	D150	0.0005
Surface Resistivity (ohm/square) at 50% RH	D257	>10 ¹⁵
Arc Resistance (sec)	D495	250-350

NYLON – PA6 SHEETS & RODS



Product Description

PA sheet and rod is a thermoplastic sheet extruded from polyamide (Nylon) PA6. It has high mechanical strength, wear resistance, easy processing, good creep resistance and mechanical shock absorption. The service temperature is -40°C to 110°C.

Typical Application

ENGINEERING

TEXTILE

MATERIAL HANDLING EQUIPMENTS

RAILWAYS

AUTOMOBILE

PAPER / SUGAR MILLS

BOTTLING & FOOD

PROCESSING

Features

High Mechanical Strength
Wear Resistance
Creep Resistance
mechanical shock absorption

Sizes Available

- 1) Thickness available from: 1mm to 150mm
- 2) Sizes available: 1mt x 2mt, 1.22mt x 2.44mt, 1.22mt x 2mt
- 3) Rods Dia available from: 16mm dia to 400mm dia
- 4) Squares available from: 16mm sq to 100mm sq
- 5) Profiles available as per customer requirement

Products

MOS2 RODS

OILON RODS

SQUARE RODS

CAST NYLON

SLIPPER PADS

Performance and test conditions Test Method Unit Typical Values

Mechanical Properties

Notched impact strength of cantilever beam, 23°C	ASTM D256	KJ/m ²	8
Yield tensile strength, 23°C, 50mm/min	ASTM D638	Mpa	75
Elongation at break, 23°C, 50mm/min	ASTM D638	%	5
The bending strength. 23C, 2mm/min	ASTM 790	Mpa	90
Bending modulus, 23°C, 2mm/min	ASTM 790	Mpa	2200
Shore hardness D	ASTMD2240	-	80
The Density	ISO 1183	g/cm ³	1.13

Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	70
Melting point	-	°C	220
Long term operating temperature	-	°C	80
Short-term operating temperature	-	°C	110
Thermal conductivity	DIN 52612-1	W/(K-M)	0.23
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	8

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	25
Dielectric loss coefficient	ASTM D150	-	0.032
The volume resistance	ASTM D257	Ω.cm	10 ¹⁵
The surface resistance	ASTM D257	Ω	10 ¹⁵
Dielectric constant	ASTM D149	-	4.2

POLYPROPYLENE SHEETS & RODS



Product Description

Polypropylene (PP) is light, strong and has resistance to chemicals and has a low friction surface, all of which make it ideal as a replacement for wood or metal which are the materials traditionally used. PP is a high corrosion resistant material, which exhibits excellent tensile strength and stiffness at elevated temperatures.

Typical Application

Acid tank & vessel linings

Component carrier for storage racks

Etching machines & rinse tubs

Fans

Flange

Fume hoods & ducts

Metal plating Barrels

Orthopedic equipments

Plating modules

Processing Equipments

Scrub stations & Scrubbers

Storage tanks

Tank covers

Wall & ceiling

claddings

Features

Excellent electrical insulation
 Chemical Resistance
 Moisture barrier
 High elongation

Sizes Available

- 1) **Thickness available from:** 1mm to 150mm
- 2) **Sizes available:** 1mt x 2mt, 1.22mt x 2.44mt, 1.2mt x 2mt, 1.5mt x 3mt
- 3) **Rods Dia available from:** 16mm dia to 400mm dia
- 4) **Squares available from:** 16mm sq to 150mm sq
- 5) **Profiles available as per customer requirement**

Products

SHEETS	RODS	THICK BOARDS	ORTHO SHEETS	SQUARE & PROFILES
--------	------	--------------	--------------	-------------------

Performance and test conditions	Test Method	Unit	Typical Values
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Mechanical Properties			
Notched impact strength of cantilever beam, 23°C	ASTM D256	J/m	35
Yield tensile strength, 23°C, 50mm/min	ASTM D638	Mpa	29
Elongation at break, 23°C, 50mm/min	ASTM D638	%	300
The bending strength. 23C, 2mm/min	ASTM 790	Mpa	35
Bending modulus, 23°C, 2mm/min	ASTM 790	Mpa	1030
Shore hardness D	ASTM D2240	-	80
The Density	ISO 1183	g/cm ³	0.910

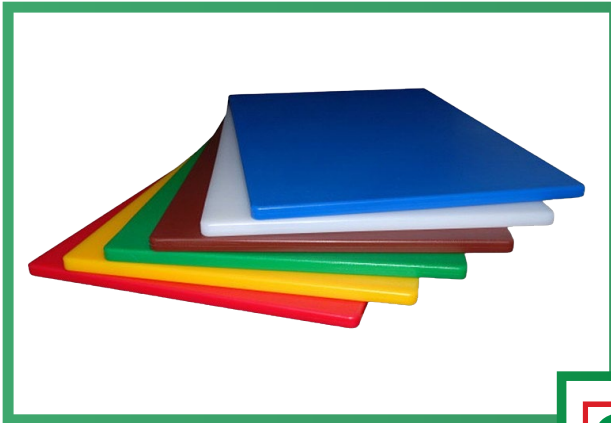
Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	83
Melting point	-	°C	170
Long term operating temperature	-	°C	95
Short-term operating temperature	-	°C	120
Thermal conductivity	DIN 52612-1	W/(K-M)	-
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	15

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	40
Dielectric loss coefficient	ASTM D150	-	-
The volume resistance	ASTM D257	Ω.cm	10 ¹⁴
The surface resistance	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	2.3

HDPE – POLYETHYLENE SHEETS & RODS



Product Description

High Density Polyethylene Rod (HDPE) is a FDA Approved material of the highest quality with excellent impact resistance. HDPE has high tensile strength, low moisture absorption and is chemical and corrosion resistant. It is a light weight material that is non-toxic and non-staining and used in a variety of applications and industries.

Typical Application

Cutting Boards
Chemical Tanks
Light Duty chain guides
Orthotics and prosthetic device
Water storage
Food Processing
Mining Chute Liners

Thermoforming
Chair and belt guides
Wear strips, guide rails and neck guides
Corner tracks
Spiral Conveyors
Extruded profiles and guide rails

Features

FDA/USDA food handling guidelines
 Light-weight
 Chemical and corrosion resistant
 Low moisture absorption
 High tensile strength
 Excellent impact resistance

Sizes Available

- 1) **Thickness available from:** 1mm to 150mm
- 2) **Sizes available:** 1mt x 2mt, 1.22mt x 2.44mt, 1.2mt x 2mt, 1.5mt x 3mt
- 3) **Rods Dia available from:** 16mm dia to 400mm dia
- 4) **Squares available from:** 16mm sq to 150mm sq
- 5) **Profiles available as per customer requirement**

Products

SHEETS

RODS

SQUARE RODS

PROFILES

Performance and test conditions	Test Method	Unit	Typical Values
---------------------------------	-------------	------	----------------

Mechanical Properties

Notched impact strength of cantilever beam, 23°C	ASTM D256	J/m	80
Yield tensile strength, 23°C, 50mm/min	ASTM D638	Mpa	30
Elongation at break, 23°C, 50mm/min	ASTM D638	%	500
The bending strength. 23C, 2mm/min	ASTM 790	Mpa	35
Bending modulus, 23°C, 2mm/min	ASTM 790	Mpa	1375
Shore hardness D	ASTMD2240	-	75
The Density	ISO 1183	g/cm ³	0.96

Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	80
Melting point	-	°C	120
Long term operating temperature	-	°C	90
Short-term operating temperature	-	°C	110
Thermal conductivity	DIN 52612-1	W/(K-M)	-
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	15.5

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	40
Dielectric loss coefficient	ASTM D150	-	-
The volume resistance	ASTM D257	Ω.cm	10 ¹⁴
The surface resistance	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	2.4

KLIKPAD® CUTTING BOARDS



Product Description

Suitable for cutting leather, artificial leather cloth, cellular leather cloth, imitation leather, rubber, foam rubber, textiles, fabrics synthetics, plastics, foils, felt, carpets, paper, cardboard, hardboard, asbestos, fiberboard, and various other materials. For use with all conventional die cutting machines, such as swing arm cutting presses, automatic die cutters, beam cutting presses, crosshead die cutting machines, sandwich roller presses, large area cutting presses, and with all conventional tools, knives, and dies.

Typical Application

Footwear Industry
Leather Industry
Production of Gloves
Textile Industry
Paper and Cardboard Articles
Cork Processing
Automobile Industry
Furniture Industry



Specifications

STANDARD SIZE (mm)

50 X 450 X 900

50 X 600 X 600

50 X 600 X 750

50 X 600 X 900

50 X 300 X 390

Specifications

STANDARD SIZE (mm)

50 X 500 X 1500

50 X 500 X 1600

70 X 450 X 900

70 X 750 X 600

70 X 750 X 375

Colours

WHITE

GREEN

RED BROWN

Performance and test conditions

Test Method

Unit

Typical Values

Mechanical Properties

Shore - Hardness D 3 sec	ISO 868	-	78
Notched impact strength 23° C/Charpi	ISO 179	mj/mm ²	9
Modulus of elasticity in flexion	ISO 527-1	N/mm ²	1450
Elongation at break	ISO 527-1	%	>100
Service temperature , short - time	-	°C	0/ +110
Coefficient of linear expansion	DIN 53752	1/K	15.10 ⁻⁵

THE PP LEVEL IN THE KLIKPAD CUTTING BOARD SUPPLIED IS 100% POLYPROPYLENE MATERIAL

Remark:

The data mentioned in this Certificate are average values ascertained by current statistical returns and tests. The data above are provided purely for information and shall not be regarded as binding.

Handling:

- Cutting depth on a newly planed surface max 0,3mm just to achieve the clean cut, no over cutting.
- When reaching max.2mm cutting depth, please plane the board properly and leave the deepest cutting marks.
- Planing cycles min.5 days , 12 days easily possible, the longer the better under the condition the surfaces is still in good shape and the cutting depth won't exceed 2mm.
- Flip and turn the boards alternately every 4 hours.
- Use the entire surface evenly.
- Horizontal storage on pallets or on the floor.
- No radiation or exposure to sun light.

PP SHIMONA GREY SHEETS



Product Description

Polypropylene (PP) is light, strong and has resistance to chemicals and has a low friction surface, all of which make it ideal as a replacement for wood or metal which are the materials traditionally used. PP is a high corrosion resistant material, which exhibits excellent tensile strength and stiffness at elevated temperatures.

Typical Application

Acid tank & vessel linings

Component carrier for storage racks

Etching machines & rinse tubs

Fans

Flange

Fume hoods & ducts

Metal plating Barrels

Orthopedic equipments

Plating modules

Processing Equipments

Scrub stations & Scrubbers

Storage tanks

Tank covers

Wall & ceiling

claddings

Features

Excellent electrical insulation
 Chemical Resistance
 Moisture barrier
 High elongation

Sizes Available

- 1) **Thickness available from:** 1mm to 100mm
- 2) **Sizes available:** 1mt x 2mt, 1.22mt x 2.44mt, 1.2mt x 2mt, 1.5mt x 3mt
- 3) **Sheet sizes available as per customer requirements**

Performance and test conditions	Test Method	Unit	Typical Values
Mechanical Properties			
Notched impact strength of cantilever beam, 23°C	ASTM D256	J/m	35
Yield tensile strength, 23°C, 50mm/min	ASTM D638	Mpa	29
Elongation at break, 23°C, 50mm/min	ASTM D638	%	300
The bending strength. 23C, 2mm/min	ASTM 790	Mpa	35
Bending modulus, 23°C, 2mm/min	ASTM 790	Mpa	1030
Shore hardness D	ASTM D2240	-	80
The Density	ISO 1183	g/cm ³	0.910

Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	83
Melting point	-	°C	170
Long term operating temperature	-	°C	95
Short-term operating temperature	-	°C	120
Thermal conductivity	DIN 52612-1	W/(K-M)	-
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	15

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	40
Dielectric loss coefficient	ASTM D150	-	-
The volume resistance	ASTM D257	Ω.cm	10 ¹⁴
The surface resistance	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	2.3

PP ORTHO SHEETS



Product Description

PP Ortho (Polypropylene Orthopedic) Sheets are expertly crafted to meet the specialized needs of the medical and orthopedic sectors. Designed for durability and flexibility, these sheets are commonly used in the production of orthotic devices, including ankle-foot orthoses (AFOs), knee braces, and wrist splints. They are manufactured to adhere to stringent medical standards, ensuring they provide optimal support, comfort, and functionality for effective patient care and rehabilitation.

Typical Application

Orthopedic Devices Manufacturing

Prosthetics and Rehabilitation

Sports Medicine and Bracing

Custom Footwear and Insoles

Medical Equipment and Supplies

Rehabilitation Centers and Clinics

Personal Protective Equipment (PPE)

Features

High durability
Impact resistance
Perfect finish
Accurate dimension

Sizes Available

1) Thickness available from: 1mm to 115mm
2) Sheet sizes available as per customer requirements

Colours

WHITE

GREEN

RED BROWN

General Properties

Good melt strength
Minimum shrinkage
Improved setting time
Good impact resistance
Suitable for vacuum forming as well as draping applications
Very good flexural strength
Excellent draw strength
Excellent shelf life

Upper Extremity

Wrist Hand Orthoses
Elbow Orthoses- Fingers
Boutonniere / Swan neck splint
Thumb Post

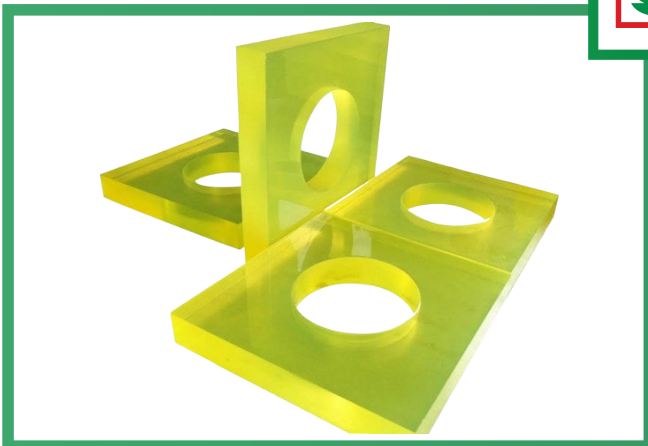
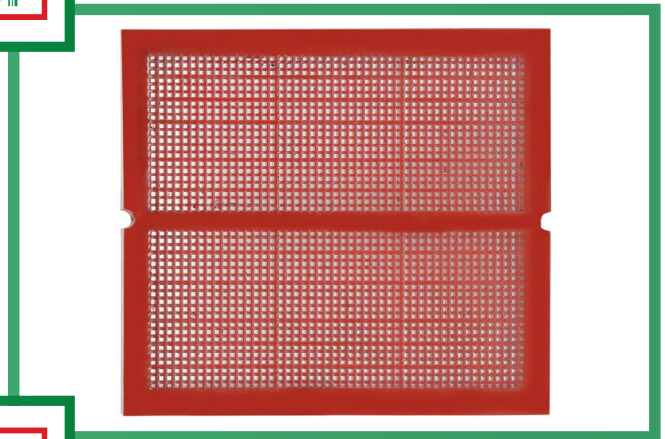
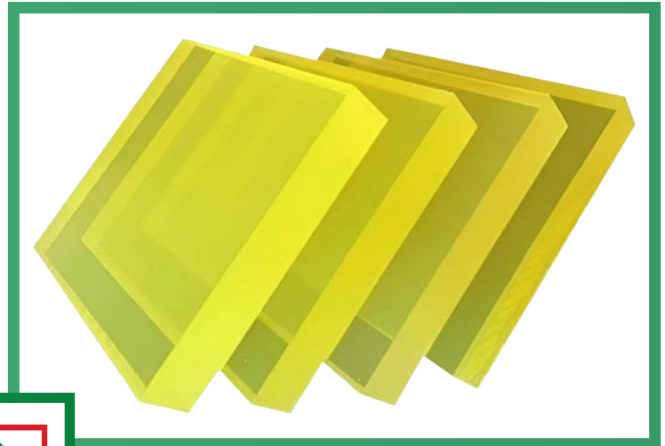
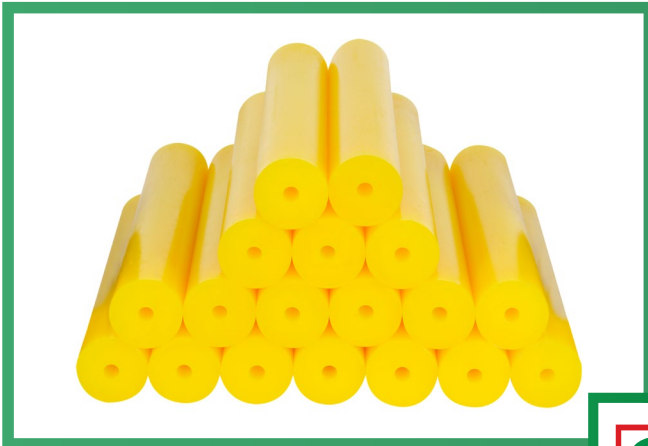
Lower Extremity

Foot Orthoses
Knee Orthoses
Ankle Foot Orthoses
Knee, Ankle Foot Orthoses
WalkAide

Spinal

Corset
Harris Brace
Scoliosis Brace
Cervical Collar
SpineCor

POLYURETHANE – PU

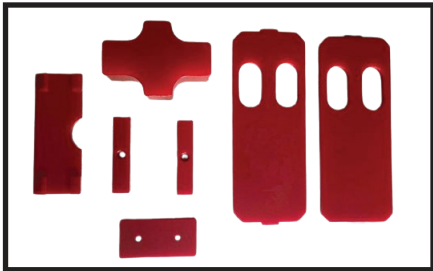


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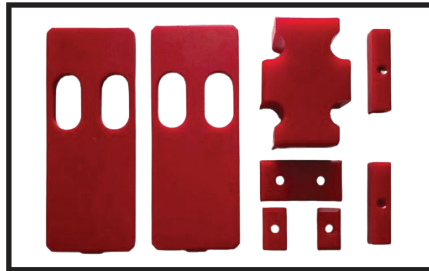
Cast Polyurethanes are cost-effective elastomers combining the advantages of plastics, metals, and ceramics with rubber's flexibility. They offer high load capacity, impact strength, abrasion resistance, resilience, and oil/grease resistance.

PU DAMPER PADS

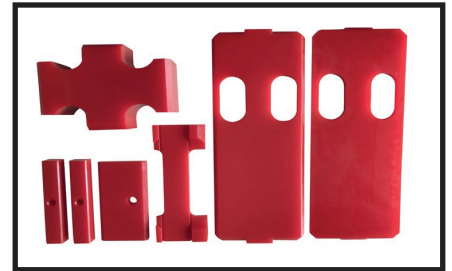
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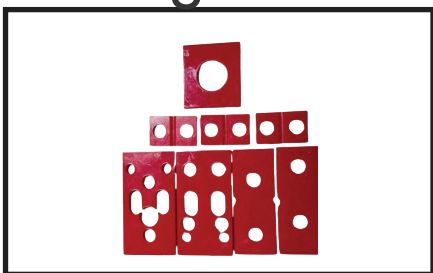
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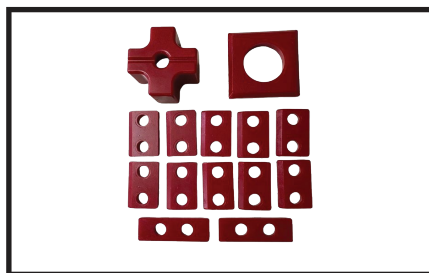
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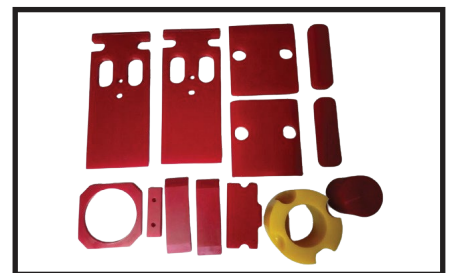
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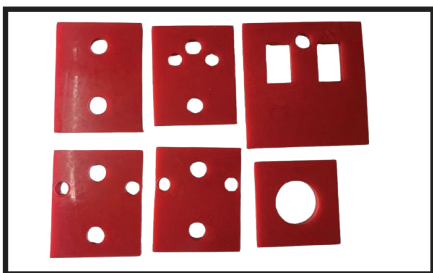
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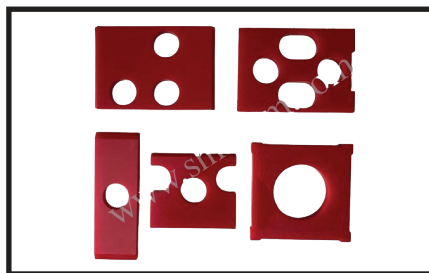
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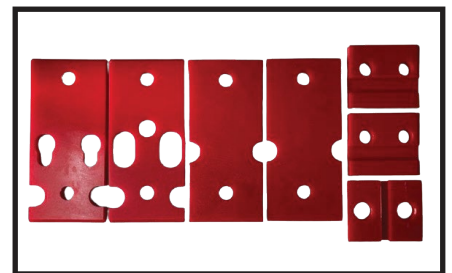
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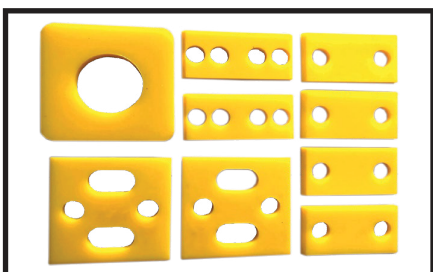
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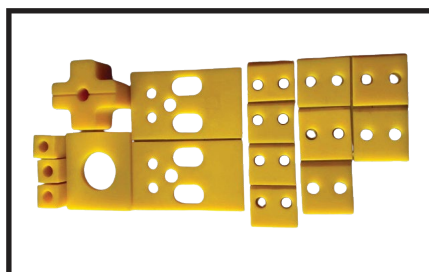
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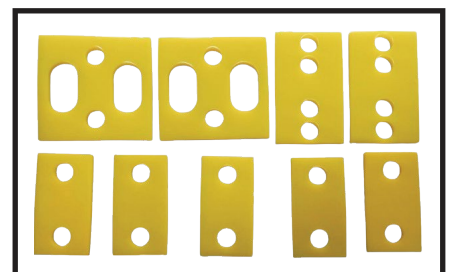
HM 1180



Fine 23



HM 2160

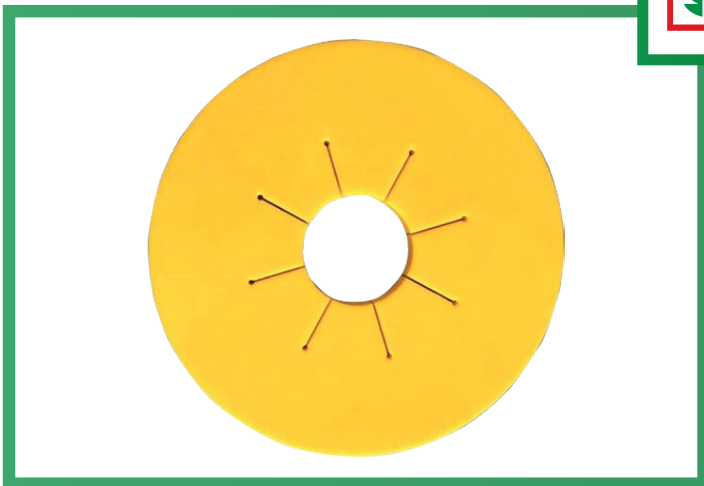
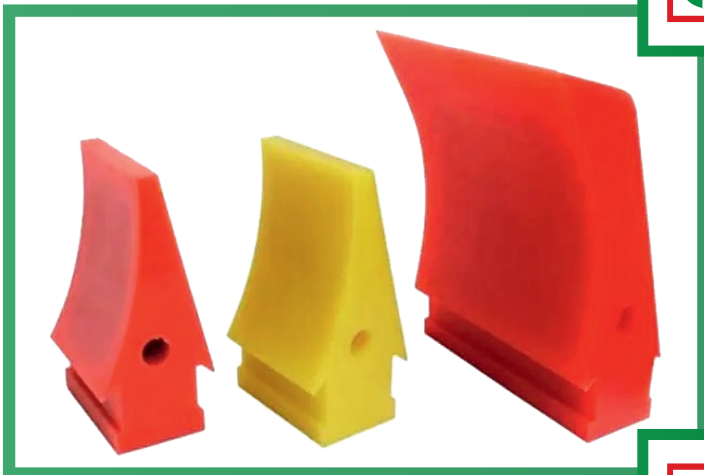
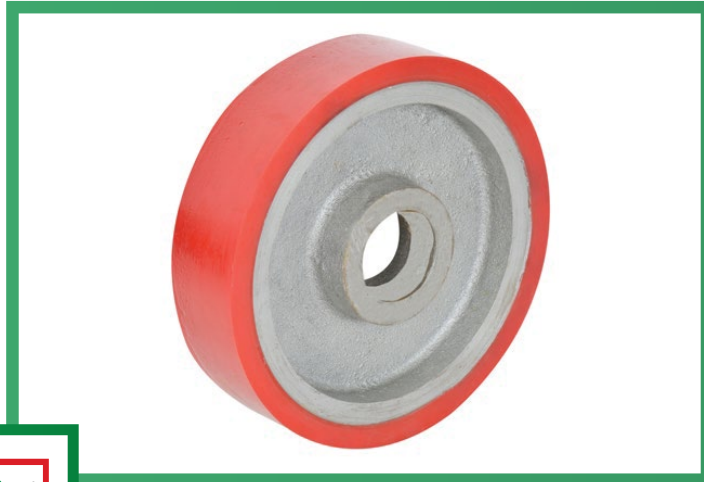
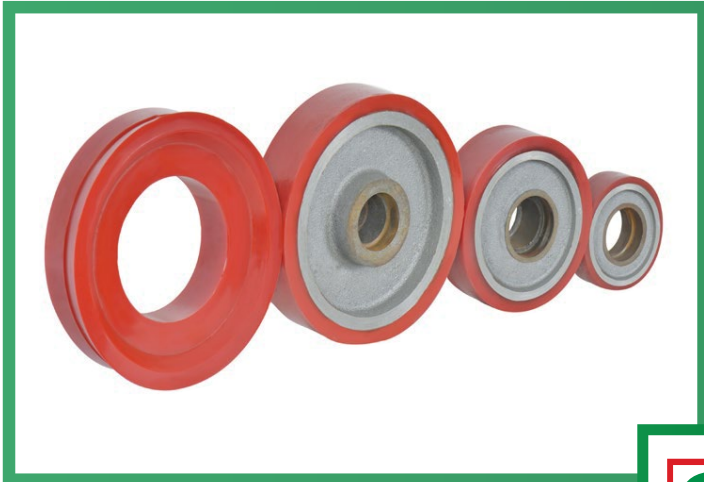


PU ROCK BREAKER DAMPER PADS

* MB - 750, 1000, 1200, 1500, 1600, 1700	* INDUS SAGA - 210, 120
* ALICON - 140, 210, 230	* VOLVO - HM-2180, HM-380, HM-1180
* DAEMO - 140, 210	* FURUKAWA - F12, F22 old type & new type
* SB - 40, 43, 50, 81	* CHICAGO - RX-14, RX-22, RX-24
* EPIROC - 1500, 750	* SANDVIC - L-20C
* FINE - 21, 22, 23X, 23XPlus	* SMM - 810 S, 500 S

We can customize and make other rock breaker pad models based on your preferences

POLYURETHANE – PU



Features

Cost effective
 Dependable
 Resilience and flexible as rubber
 High life expectancy

Specifications

- 1) Rods, Sheets, Bushes & components as per customers drawings and specifications
- 2) Sheet thickness available from: 2mm to 300mm
- 3) Rod dia available from: 16mm dia to 300mm dia in 1 feet and 2 feet length

Products

SHEETS	RODS	SCREENS	DAMPER PADS
CHUTE LINERS	BALLS	DECLOGGING RODS	WHEELS
ROLLERS	NOZZLES	SCRAPPERS	COMPONENTS

Performance and test conditions

	60A	70A	75A	80A	85A	90 A	95A	95 D	60D
Hardness (Shore A)									
Tensile Strength /Mpa (psi)	10	7	10	19	21	31	32	34	35
100%Modules / Mpa(psi)	-	2.1	4.2	5.4	5.9	8.9	9.2	15.2	15.8
300%Modules / Mpa(psi)	-	3.0	6.3	10.0	10.3	14.6	16.8	24.6	23
Angel Tear Strength (DIE C)(kN/m)(without nick)	38	34	44	53	57	73	78	95	120
Elongation(%)	700	600	550	500	480	460	450	440	420
DIN ABRASION RESISTANCE(mm3)	-	163	159	116	157	135	117	143	135
Specific Gravity	1.1	1.08	1.09	1.11	1.13	1.14	1.15	1.16	1.17
Rebound(%)	60	50	48	41	31	30	31	41	43

Typical Application

Mining Industry

Pads

Abrasion Resistant Linings

Gear Seals

Jig & Fixtures

Mallets

Punch-strippers

Screens

Spacers

Rollers & Sleeves

Suspension Bushes

Scraper Blades

Wheels

Wear Plates

POLYACETAL SHEETS & RODS



Product Description

Polyacetal (POM) sheets and rods are among the strongest and stiffest of all thermoplastics. Plastic materials are characterized by good fatigue life, low moisture sensitivity, and high resistance to solvents and chemicals. Polyacetal products also contain good electrical properties. Homo-polymer and Copolymer grade of Polyacetal are available including an enhanced bearing grade material.

Polyacetal -POM is a semi crystalline engineering plastic that is beneficial to engineering applications, and is suited to CNC machining.

Polyacetal -POM is a semi crystalline engineering plastic that is beneficial to engineering applications, and is suited to CNC machining.

Typical Application

Gear wheels with small modulus

Cams

Heavily loaded bearings and rollers

Bearing and gears with small clearances

Valve seats

Snap fit assemblies

Dimensionally stable precision parts

Electrically insulating components

Features

High mechanical strength
 Excellent resilience
 Excellent machinability
 Physiologically inert (most grades are suitable for food contact)

Sizes Available

- 1) Sheet Thickness available from: 6mm to 100mm
- 2) Sizes available in sheets: 610mm x 1200mm, 1000mm x 2000mm
- 3) Rods dia available from: 16mm dia to 200mm dia
- 4) Rods length available in: 1 feet and 1 meter length

Products

SHEETS

RODS

SQUARE RODS

PROFILES

Performance and test conditions	Test Method	Unit	Typical Values
---------------------------------	-------------	------	----------------

Mechanical Properties

Notched impact strength of cantilever beam, 23°C	ASTM D256	KJ/m ²	10
Yield tensile strength, 23°C, 50mm/min	ASTM D638	Mpa	60
Elongation at break, 23°C, 50mm/min	ASTM D638	%	25
The bending strength. 23C, 2mm/min	ASTM 790	Mpa	70
Bending modulus, 23°C, 2mm/min	ASTM 790	Mpa	2500
Shore hardness D	ASTMD2240	-	85
The Density	ISO 1183	g/cm ³	1.42

Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	120
Melting point	-	°C	170
Long term operating temperature	-	°C	100
Short-term operating temperature	-	°C	120
Thermal conductivity	DIN 52612-1	W/(K-M)	0.33
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	13

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	19
Dielectric loss coefficient	ASTM D150	-	0.007
The volume resistance	ASTM D257	Ω.cm	10 ¹⁵
The surface resistance	ASTM D257	Ω	10 ¹⁵
Dielectric constant	ASTM D149	-	3.7

PVC RIGID SHEETS & RODS



Product Description

Our range of extruded PVC sheets and rods are light in weight with homogeneous close cell structure that makes them highly durable. Highly resistant to chemical, these products are extensively used in process industries and laboratories. We also offer our customer cost effective customization of PVC sheets exactly as per their requirement.

Typical Application

Chemical tanks and vessels

Ducts and gutter to carry chemicals

Control cabinets and panels

Equipment and structures for corrosive environments

Cold Storage

Pharmaceuticals

Hotels

Hospitals

Features

Thermoforming
Machining
Bonding
Drilling
Welding
Sawing

Sizes Available

1) Sheet Thickness available from: 1mm to 60mm
2) Sheet Sizes available in: 1mt x 2mt, 1.22mt x 2.44mt, 1.3mt x 2mt
3) Rods Dia available from: 6mm dia to 300mm dia in 1 meter length

Products

RIGID SHEETS

RODS

Performance and test conditions	Test Method	Unit	Typical Values
---------------------------------	-------------	------	----------------

Mechanical Properties

Notched impact strength of cantilever beam, 23°C	ASTM D256	J/m	450
Yield tensile strength, 23°C, 50mm/min	ASTM D638	Mpa	50
Elongation at break, 23°C, 50mm/min	ASTM D638	%	10
The bending strength. 23C, 2mm/min	ASTM 790	Mpa	70
Bending modulus, 23°C, 2mm/min	ASTM 790	Mpa	2400
Shore hardness D	ASTMD2240	-	95
The Density	ISO 1183	g/cm ³	1.4

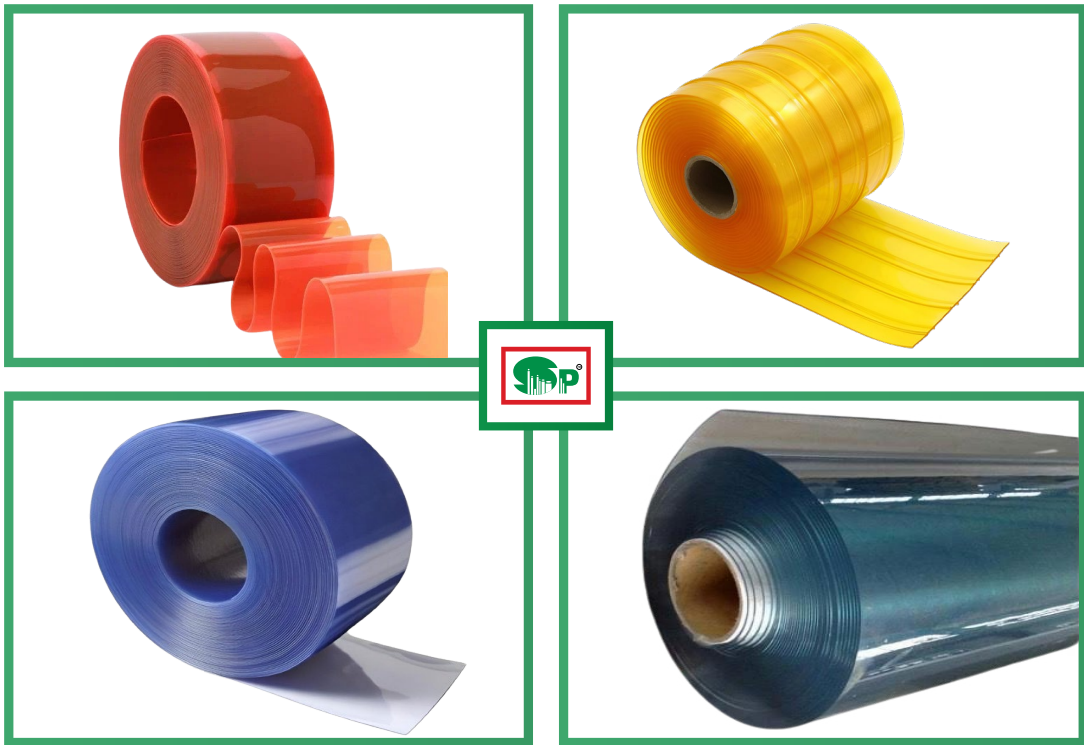
Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	70
Melting point	-	°C	120
Long term operating temperature	-	°C	60
Short-term operating temperature	-	°C	90
Thermal conductivity	DIN 52612-1	W/(K-M)	-
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	8

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	30
Dielectric loss coefficient	ASTM D150	-	-
The volume resistance	ASTM D257	Ω.cm	10 ¹⁴
The surface resistance	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	2.4

SOFT PVC CURTAINS & GASKET ROLLS



Product Description

Our range of extruded PVC sheets and rods are light in weight with homogeneous close cell structure that makes them highly durable. Highly resistant to chemical, these products are extensively used in process industries and laboratories. We also offer our customer cost effective customization of PVC sheets exactly as per their requirement.

Typical Application

Chemical tanks and vessels

Ducts and gutter to carry chemicals

Control cabinets and panels

Equipment and structures for corrosive environments

Cold Storage

Pharmaceuticals

Hotels

Hospitals

Features

Dust Prevention
 Clean Rooms
 Data Centres
 Offices
 Cold Storage
 Farming and Agriculture

Sizes Available

- 1) PVC Curtains available in the following sizes:
 2mm thick x 200mm width x 50mt length
 3mm thick x 200mm width x 50mt length
- 2) PVC Soft Sheet available from 0.5mm thick to 10mm thickness
- 3) Sizes: 1300 mm width x 10mt length

Products

SOFT SHEETS

CURTAINS

Performance and test conditions	Test Method	Unit	Typical Values
---------------------------------	-------------	------	----------------

Mechanical Properties

Notched impact strength of cantilever beam, 23°C	ASTM D256	J/m	450
Yield tensile strength, 23°C, 50mm/min	ASTM D638	Mpa	50
Elongation at break, 23°C, 50mm/min	ASTM D638	%	10
The bending strength. 23C, 2mm/min	ASTM 790	Mpa	70
Bending modulus, 23°C, 2mm/min	ASTM 790	Mpa	2400
Shore hardness D	ASTMD2240	-	95
The Density	ISO 1183	g/cm ³	1.4

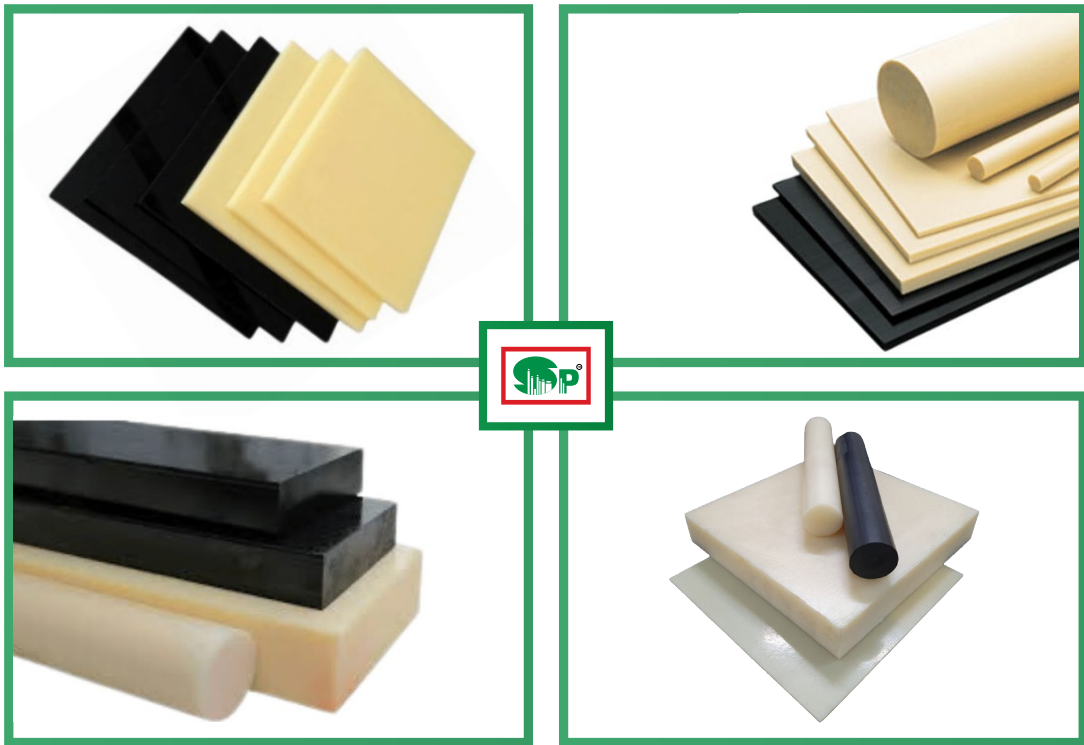
Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	70
Melting point	-	°C	120
Long term operating temperature	-	°C	60
Short-term operating temperature	-	°C	90
Thermal conductivity	DIN 52612-1	W/(K-M)	-
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	8

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	30
Dielectric loss coefficient	ASTM D150	-	-
The volume resistance	ASTM D257	Ω.cm	10 ¹⁴
The surface resistance	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	2.4

ABS SHEETS & RODS



Product Description

Shibaam Polymers offers a superior range of ABS products renowned for their toughness, versatility, and durability, surpassing industry standards. We provide high-performance solutions tailored to diverse applications, ensuring robust durability, efficient fabrication, and resilience in challenging conditions. Trust Shibaam Polymers for ABS products that exceed expectations with engineering excellence.

Typical Application

Refrigeration Industry

3D Building Materials

Machine Prototype Construction

Pipes & Fittings

Vacuum Construction

Power-Tool Housing

Keyboard Keys

Features

Excellent impact resistance
 Easy electroplating
 Easy coating and coloring
 Easy processing

Sizes Available

- 1) Sheet Thickness available from: 8mm to 100mm
- 2) Sheet Sizes available in: 1000mm x 2000mm, 1200mm x 2440mm
- 3) Rods dia available from: 16mm dia to 200mm dia in 1 mt length

Products

SHEETS

RODS

Performance and test conditions	Test Method	Unit	Typical Values
---------------------------------	-------------	------	----------------

Mechanical Properties

Notched impact strength of cantilever beam, 23°C	ASTM D256	J/m	200
Yield tensile strength, 23°C,50mm/min	ASTM D638	Mpa	50
Elongation at break, 23°C,50mm/min	ASTM D638	%	40
The bending strength, 23°C,2mm/min	ASTM 790	Mpa	60
Bending modulus, 23°C,2mm/min	ASTM 790	Mpa	1800
Shore hardness D	ASTM D2240	-	80

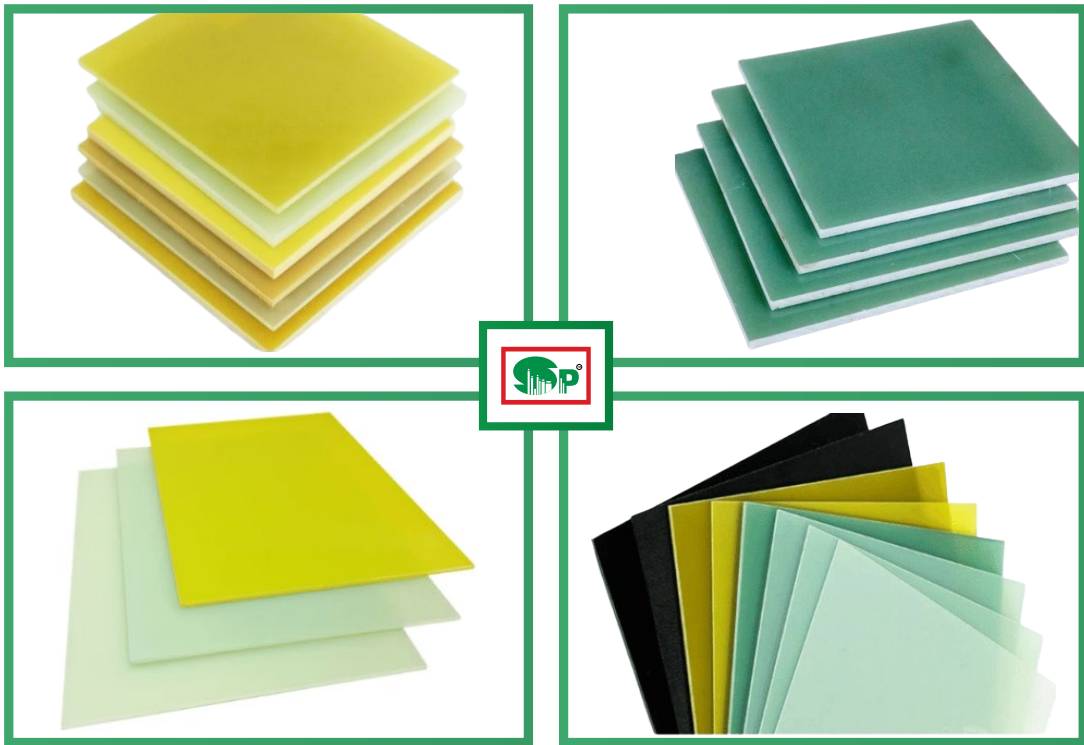
Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	80
Melting point	-	°C	150
Long term operating temperature	-	°C	80
Short-term operating temperature	-	°C	100
Thermal conductivity	DIN 52612-1	W/(K-M)	0.18
Linear expansion coefficient	ASTM D696	10-5-1/K	9

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	22
Dielectric loss coefficient	ASTM D150	-	0.015
The volume resistance	ASTM D257	Ω.cm	10 ¹⁴
The surface resistance	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	3.3

GLASS EPOXY SHEETS



Product Description

Shibaam Polymers provides Glass Epoxy Sheets tailored for demanding industrial needs. Known for superior electrical insulation, robust mechanical strength, and chemical resistance, these sheets offer thermal stability and dimensional reliability. Ideal for electronics, aerospace, and automotive sectors, they ensure consistent performance and durability in varied conditions.

Typical Application

Mechanical Industry

Body Equipments

Housing Parts of Distribution Boards

Transformers

Switchgears

Electrical Machines

Features

High Mechanical Strength
 Excellent Electrical Insulation
 Creep Resistance
 Good Thermal Resistance

Specifications

Sheet Thickness available from:
 0.5mm thick to 30mm thick in the size of
 1000mm x 2000mm

Products

SHEETS

Performance and test conditions	Test Method	Unit	Typical Values
Mechanical Properties			
Notched impact strength of cantilever beam, 23°C	ASTM D256	J/m	8
Yield tensile strength, 23°C,50mm/min	ASTM D638	Mpa	75
Elongation at break, 23°C,50mm/min	ASTM D638	%	5
The bending strength, 23°C,2mm/min	ASTM 790	Mpa	90
Bending modulus, 23°C,2mm/min	ASTM 790	Mpa	2200
Shore hardness D	ASTM D2240	-	80
The Density	ISO 1183	g/cm ³	1.13

Thermal Performance

Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	70
Melting point	-	°C	220
Long term operating temperature	-	°C	80
Short-term operating temperature	-	°C	110
Thermal conductivity	DIN 52612-1	W/(K-M)	0.23
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	8

Electrical Performance

Dielectric strength	ASTM D150	KV-mm	25
Dielectric loss coefficient	ASTM D150	-	0.032
The volume resistance	ASTM D257	Ω.cm	1015
The surface resistance	ASTM D257	Ω	1015
Dielectric constant	ASTM D149	-	4.2

PPGL ROLLS



Product Description

Polypropylene (PP) is light, strong and has resistance to chemicals and has a low friction surface, all of which make it ideal as a replacement for wood or metal which are the materials traditionally used. PP is a high corrosion resistant material, which exhibits excellent tensile strength and stiffness at elevated temperatures.

Typical Application

Acid tank & vessel linings

Component carrier for storage racks

Etching machines & rinse tubs

Fans

Flange

Fume hoods & ducts

Metal plating Barrels

Scrubbing Towers

Ducting Fume Cupboards

Electroplating Barrels

Electroplating Blowers

Fermentation Vessels

Pickling Tanks

Features

Excellent electrical insulation
 Chemical Resistance
 Moisture barrier
 High elongation

Sizes Available

- 1) **Thickness available from:** 2mm thick to 5mm thick
- 2) **Sizes available in:** 1300mm x 10mt, 1500mm x 10mt, 1300mm x 20mt, 1500mm x 20mt
- 3) **Length can be varied as per customer requirement**

Performance and test conditions	Test Method	Unit	Typical Values
Mechanical Properties			
Notched impact strength of cantilever beam, 23°C	ASTM D256	J/m	35
Yield tensile strength, 23°C, 50mm/min	ASTM D638	Mpa	29
Elongation at break, 23°C, 50mm/min	ASTM D638	%	300
The bending strength. 23C, 2mm/min	ASTM 790	Mpa	35
Bending modulus, 23°C, 2mm/min	ASTM 790	Mpa	1030
Shore hardness D	ASTM D2240	-	80
The Density	ISO 1183	g/cm ³	0.910

Thermal Performance			
Thermal deformation temprature(HDT) (0.45Mpa)	ISO 75	°C	83
Melting point	-	°C	170
Long term operating temperature	-	°C	95
Short-term operating temperature	-	°C	120
Thermal conductivity	DIN 52612-1	W/(K-M)	-
Linear expansion coefficient	ASTM D696	10 ⁻⁵ -1/K	15

Electrical Performance			
Dielectric strength	ASTM D150	KV-mm	40
Dielectric loss coefficient	ASTM D150	-	-
The volume resistance	ASTM D257	Ω.cm	10 ¹⁴
The surface resistance	ASTM D257	Ω	10 ¹⁶
Dielectric constant	ASTM D149	-	2.3

WEIGHT CHART

Schedule weight chart for round rods

Dia in mm	Nylon KG/MTR	HDPE KG/MTR	POM KG/MTR	PP KG/MTR	PVC KG/MTR	PU RODS KG/FT
20	0.36	0.30	0.50	0.29	0.50	0.11
22	0.43	0.40	0.80	0.35	0.57	0.13
25	0.60	0.52	0.90	0.50	0.80	0.18
30	0.85	0.70	1.10	0.65	1.10	0.26
32	0.96	0.80	1.25	0.80	1.30	0.30
35	1.15	1.00	1.50	0.95	1.55	0.35
40	1.42	1.25	1.85	1.20	2.00	0.44
45	1.90	1.6	2.60	1.50	2.50	0.60
50	2.40	2.3	3.35	1.90	3.10	0.75
55	2.90	2.7	3.85	2.25	3.85	0.90
60	3.30	2.8	4.40	2.70	4.40	1.03
65	3.85	3.20	5.00	3.15	5.00	1.20
70	4.60	3.85	6.20	3.60	6.15	1.43
75	5.10	4.46	6.80	4.15	6.80	1.60
80	6.10	5.50	8.40	4.70	8.15	1.90
85	6.70	5.70	8.60	5.30	8.75	2.10
90	7.15	6.00	9.60	6.00	9.60	2.30
100	9.20	7.80	12.30	7.50	12.30	2.85
110	10.70	9.10	14.30	8.70	14.30	3.35
120	12.70	11.20	17.10	10.70	17.00	3.96
125	14.25	13.40	19.10	11.80	19.10	4.45
130	15.15	13.80	20.60	12.50	20.50	4.75
140	17.31	15.80	24.20	14.50	23.20	5.40
150	20.70	17.60	28.50	17.30	27.70	6.50
160	23.10	20.40	32.20	19.00	30.30	7.20
180	28.50	25.70	40.50	24.00	38.50	8.90
200	37.00	31.50	49.80	30.20	49.80	11.56
230	46.50	39.70	62.60	38.00	62.60	14.50
250	55.00	50.70	77.00	46.70	77.00	17.10
280	69.00	58.80	NA	56.30	92.80	21.50
300	79.20	72.00	NA	69.00	110.00	24.75
350	108.00	97.20	NA	93.00	NA	33.75
400	148.00	126.00	NA	121.00	NA	46.25

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WEIGHT CHART

Schedule weight chart for sheets

Thickness	PP Sheet Weight per SQMT	HDPE Sheet Weight per SQMT	Delrin/POM Sheet Weight per SQMT	Cast Nylon Weight per SQMT
1 mm	0.91	0.95	N/A	N/A
2 mm	0.00	1.9	N/A	N/A
3 mm	2.73	2.85	N/A	N/A
4 mm	3.64	3.8	N/A	N/A
5 mm	4.55	4.75	N/A	N/A
6 mm	5.46	5.7	9.3	7.2
8 mm	7.28	7.6	12.4	9.6
10 mm	9.10	9.5	15.5	12
12 mm	10.92	11.4	18.6	14.4
15 mm	13.65	14.25	23.25	18
20 mm	18.20	19	31	24
25 mm	22.75	23.75	38.75	30
30 mm	27.30	28.5	46.5	36
40 mm	36.40	38	62	48
50 mm	45.50	47.5	77.5	60
60 mm	54.60	57	93	72
65 mm	59.15	61.75	99.2	78
75 mm	68.25	71.25	115	90
100 mm	91.00	95	155	120
125 mm	113.75	118.75	193.75	N/A
150 mm	136.50	142.5	232.5	N/A

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CERTIFICATE OF ISO REGISTRATION

CERTIFICATE

CERTIFICATE

ZERTIFIKAT

CERTIFICATO



Certificate of Registration

*This is to certify that
The Quality Management System of*

SHIBAAM POLYMERS

28 F2, Bidadi Industrial Area, Abbanakuppe, Bidadi- Harohalli Road, Ramanagar Taluk &
District, Bangalore - 562109, India

*has been assessed and found to be in accordance with the
requirements of the Quality Management System standard*

ISO 9001:2015

for the following scope :

MANUFACTURER AND EXPORTER OF NYLON, PP, HDPE, PVC, ABS, CAST NYLON, POM-POLYACETAL, UHMW-PE,
POLYURETHANE- PU AND FROM THAT PRODUCE ROUND RODS, SQUARE RODS, PROFILES, HOLLOW RODS,
THICK WHEELS & CUSTOM MADE MACHINE COMPONENTS

CERTIFICATE No. : SHI240338QIN

ISSUED DATE : 31/01/2024 1ST SURVEILLANCE : 30/12/2025
EXPIRY DATE : 30/01/2027 2ND SURVEILLANCE : 30/12/2026


Managing Director





CB-MS-4022
Accredited By United Accreditation Foundation (UAF)
400 North Center DR, STE 302 Norfolk, VA 23502,
United States of America (USA)

For BMG Conformity Assessment Services Pvt. Ltd.,
C-338, 2nd Floor, Sector-10, Noida-201301, G.B. Nagar, (U.P.) India
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BMGCASPL

CERTIFICATE

CERTIFICATE

ZERTIFIKAT

CERTIFICATO



Certificate of Registration

*This is to certify that
The Quality Management System of*

SHIBAAM POLYMERS

28 J, Bidadi Industrial Area, Bidadi Harohalli Road, Abbanakuppe, Bengaluru
(Bangalore) Urban, Karnataka, 562109

*has been assessed and found to be in accordance with the
requirements of the Quality Management System standard*

ISO 9001:2015

for the following scope :

Manufacturer and Exporter of "Klikpad" Brand PP Cutting Boards, Clicking Boards & Sheets Produced from PP,
Hdpe, Cast Nylon, Uhmw-PE, POM, ABS, PVC, Polyurethane

CERTIFICATE No. : SHI240337QIN

ISSUED DATE : 31/01/2024 1ST SURVEILLANCE : 30/12/2025
EXPIRY DATE : 30/01/2027 2ND SURVEILLANCE : 30/12/2026


Managing Director





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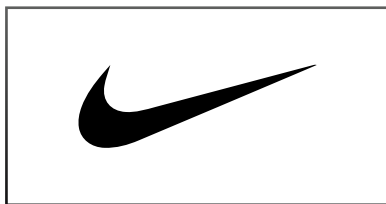
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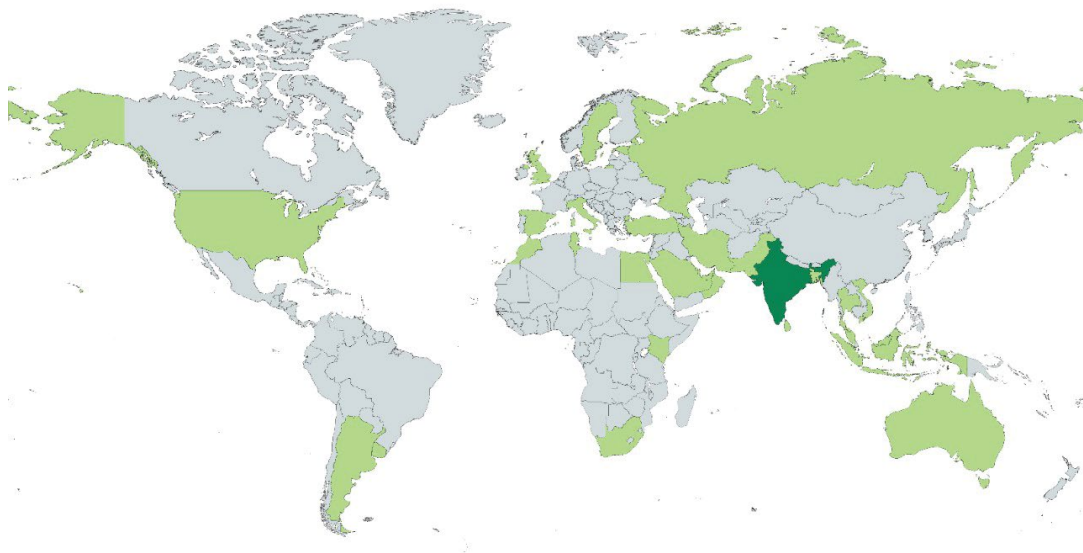
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BMGCASPL

BRANDS WE ARE ASSOCIATED WITH



COUNTRIES EXPORTED TO



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No. 28-J, Bidadi Industrial Area, Abbanakuppe, Bangalore - 562 109 (INDIA)

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