PRODUCT CATALOGUE

Shibaam Polymers

Leading Manufacturers & exporters of high performance engineering plastic products in INDIA

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TAP TO CONNECT

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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 Arbia, Sweden, South Africa, Oman, Qatar, Iran, Jordan, Kuwait, Bangladesh, Sri Lanka and several other countries. We have won good appraisement from all of our clients for high performance products, preferential price and omni bearing services.

MEET THE **TEAM**

Mohammed Lodhgar

Yusuf Shahpurwala

Murtuza Lodhgar

Mufaddal Lodhgar

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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 110°C.

Typical Application

ENGINEERING

AUTOMOBILE

TEXTILE

PAPER / SUGAR MILLS

MATERIAL HANDLING EQUIPMENTS

BOTTLING & FOOD

RAILWAYS

PROCESSING

Features

High Mechanical Strength
Wear Resistance
Creep Resistance
mechanical shock absorption

Specifications

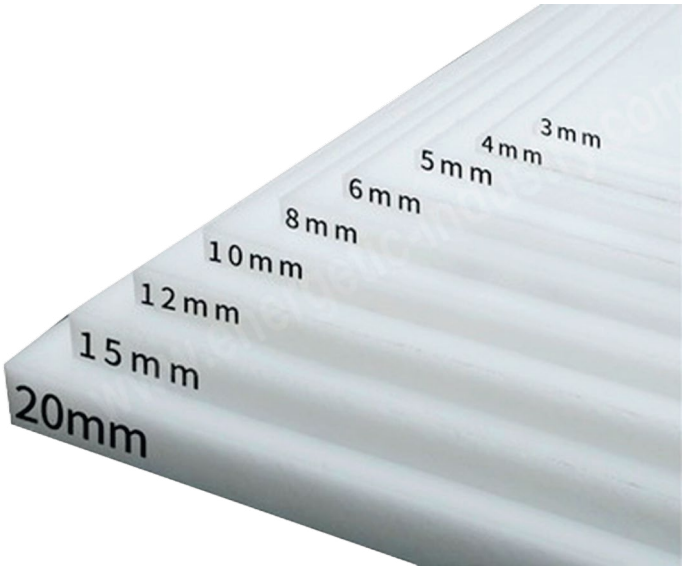
Sheet: Thickness X Width x Length
6-150mm x 1000mm X 2000mm
Rod: diameter x length
16-400mm X 1000mm

Products

MOS2 RODS | OILON RODS | SQUARE RODS | CAST NYLON | SLIPPER PADS

Peformance and test conditions	Test Method	Unit	Typical Values
Mechanical Properties			
Notched impact strength of cantilever beam, 23°C	ASTM D256	KJ/m²	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/cm³	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

Specifications

Sheet: Thickness - 1mm-15mm
Thick Sheets: 20mm -150mm
Sizes - 1mt x 2mt, 1.22mt x 2.44mt, 1.2mt x 2mt, 1.5mt x 3mt
Rod: Dia x Length- 16-400mm X 1000mm
Square & Profiles: 16mm x 16mm - 150mm x 150mm

Products

SHEETS | RODS | THICK BOARDS | PP GL SHEETS | ORTHO SHEETS | SQUARE & PROFILES

Peformance 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

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

Specifications

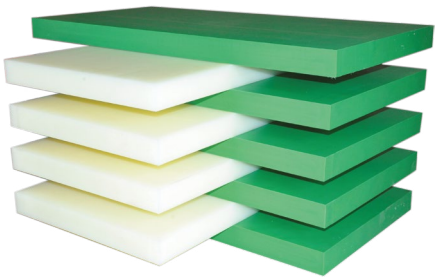
Sheet: Thickness - 1mm-20mm
Sizes - 1mt x 2mt, 1.22mt x 2.44mt, 1.2mt x 2mt, 1.5mt x 3mt
Rod: Dia x Length- 16-400mm X 1000mm
Square & Profiles: 16mm x 16mm - 150mm x 150mm

Products

SHEETS | RODS | SQUARE RODS | GEO MEMBRANE

Peformance 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 clother, 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

HIGH QUALITY CUTTING BOARDS

klikpad™

PREMIUM CUTTING TECHNOLOGY

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

Peformance 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/mm²	9
Modulus of elasticity in flexion	ISO 527-1	N/mm²	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

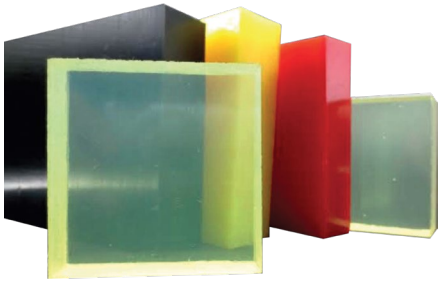
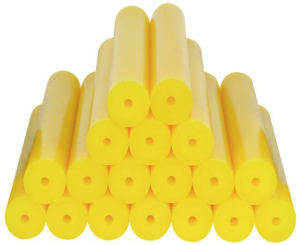
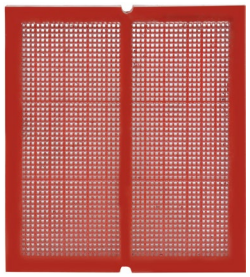
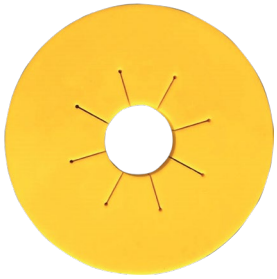
Remark:

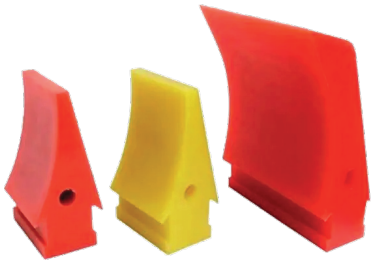
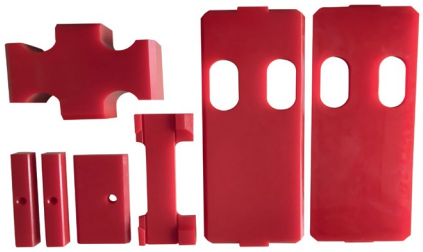
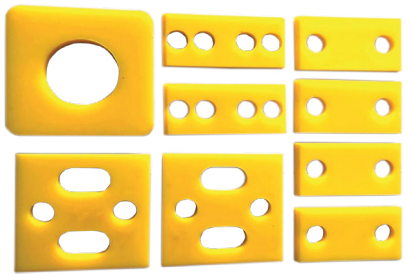
The data mentioned in this Certificate are average values ascertained by current satistical returns and tests. The data above are provided purely for information and shall not be regarded as binding.

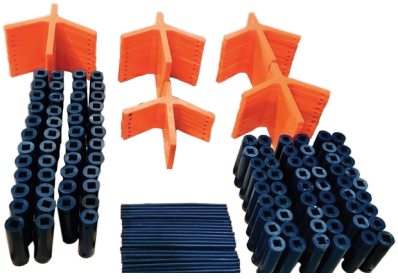
Handling:

- 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 easly 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.

POLYURETHANE – PU



Product Description

Cast Polyurethanes are cost effective and dependable Elastomers that combine the performance advantages of engineering plastics, metals and ceramics along with the resiliency and flexibility of rubber. These are internationally popular for their high load bearing capacity, high impact strength, high abrasion resistance, high resilience and excellent resistance to oil and grease.

Features

Cost effective
Dependable
Resilience and flexible as rubber
High life expectancy

Specifications

Rods, Sheets, Bushes & components as per customers drawings.
Sheet thickness: 2mm - 300mm
Sizes: 1500 mm x 4000mm
Rod: diameter x length
16mm - 300mm x 300mm/600mm/1000mm

Products

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

Peformance and test conditions

Hardness (Shore A)	60A	70A	75A	80A	85A	90 A	95A	95 D	60D
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
Rebount(%)	60	50	48	41	31	30	31	41	43

Typical Application

Mining Industry
Pads
Abrasion Resistant Linings
Grar Seals
Jig & Fixtures
Mallets
Punch-strippers
Screens
Spacers
Rollers & Sleeves
Suspension Bushes
Scrappers 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

Specifications

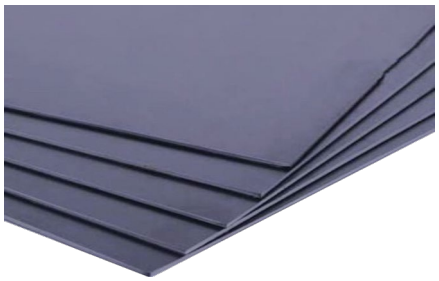
Sheet: Thickness 6-100mm
Sizes: 610mm x 1200mm X 2000mm
1000mm x 2000mm
Rod: diameter x length
16-200mm X 1000mm

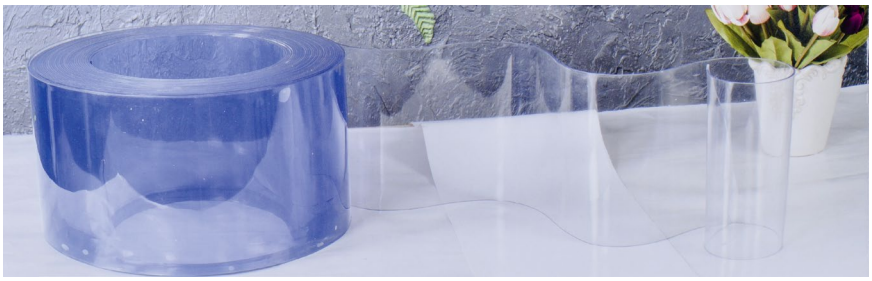
Products

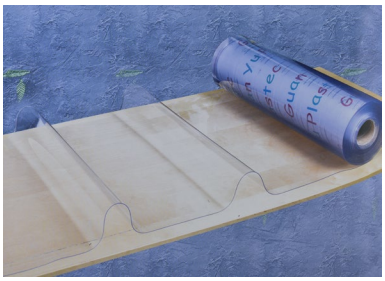
SHEETS | RODS | SQUARE RODS | PROFILES

Peformance and test conditions	Test Method	Unit	Typical Values
Mechanical Properties			
Notched impact strength of cantilever beam, 23°C	ASTM D256	KJ/m²	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/cm³	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 SHEETS, RODS, SOFT SHEETS







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

Specifications

Sheet: Thickness - 1mm-20mm
Sizes - 1mt x 2mt, 1.22mt x 2.44mt, 1.3mt x 2mt
Rod: Dia x Length- 6-300mm X 1000mm
Curtains: 200mm & 300mm width
Thickness - 2mm & 3mm
Soft sheet: 0.5 - 6mm x 1300mm x 10mt

Products

SHEETS | RODS | SOFT SHEETS | CURTAINS

Peformance 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

WEIGHT CHART

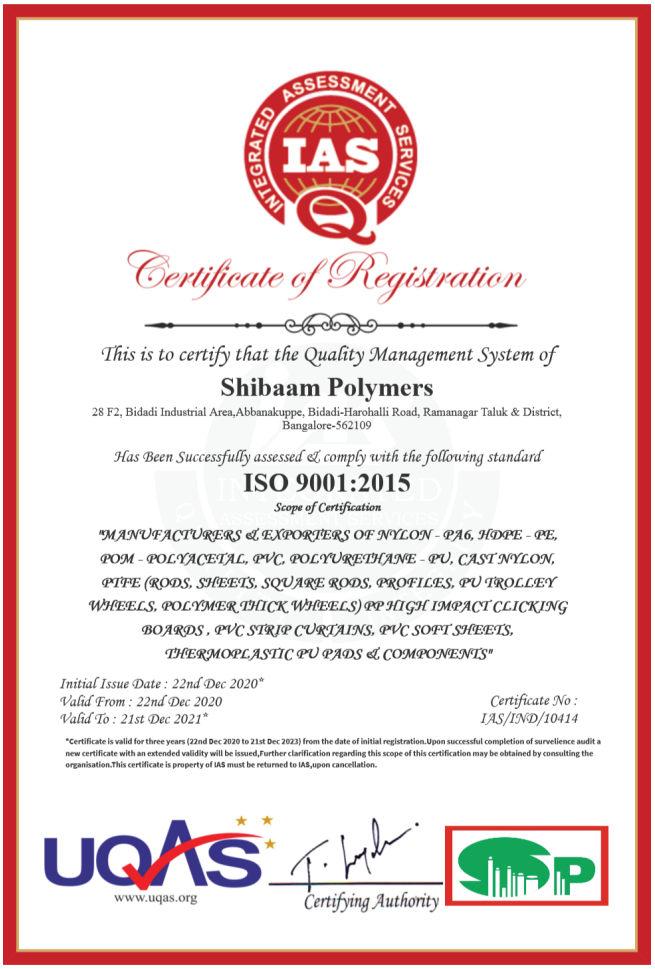
Schedule weight chart for round rods

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

Disclaimer:

The above information is provided in good faith. Shibaam Polymers shall not be liable for any problems that may occur during the processing of the products. In addition, Shibaam Polymers makes no warranties or representations and expressly disclaims any implied warranties, representations and conditions, including but not limited to all warranties and conditions of quality and fitness for a particular purpose, with respect to the information provided or the introduction of the Products. The responsibility for the use, storage, handling and disposal of the products described herein lies with the Buyer or end user.

CERTIFICATE OF ISO REGISTRATION



INTEGRATED ASSESSMENT SERVICES
IAS Q

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

Has Been Successfully assessed & comply with the following standard

ISO 9001:2015

Scope of Certification

"MANUFACTURERS & EXPORTERS OF NYLON - PA6, HDPE - PE, POM - POLYACETAL, PVC, POLYURETHANE - PU, CAST NYLON, PTFE (RODS, SHEETS, SQUARE RODS, PROFILES, PU TROLLEY WHEELS, POLYMER THICK WHEELS) PP HIGH IMPACT CLICKING BOARDS , PVC STRIP CURTAINS, PVC SOFT SHEETS, THERMOPLASTIC PU PADS & COMPONENTS"

*Initial Issue Date : 22nd Dec 2020**
Valid From : 22nd Dec 2020
*Valid To : 21st Dec 2021**

Certificate No : IAS/IND/10414

*Certificate is valid for three years (22nd Dec 2020 to 21st Dec 2023) from the date of initial registration.Upon successful completion of surveilence audit a new certificate with an extended validity will be issued,Further clarification regarding this scope of this certification may be obtained by consulting the organisation.This certificate is property of IAS must be returned to IAS,upon cancellation.

UQAS www.uqas.org

Certifying Authority

INTEGRATED ASSESSMENT SERVICES
IAS Q

Certificate of Registration

This is to certify that the Quality Management System of

Shibaam Polymers

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

Has Been Successfully assessed & comply with the following standard

ISO 9001:2015

Scope of Certification

"MANUFACTURERS & EXPORTERS OF KLIKPAD BRAND PP CUTTING BOARDS & PP CLICKING BOARDS"

*Initial Issue Date : 22nd Dec 2020**
Valid From : 22nd Dec 2020
*Valid To : 21st Dec 2021**

Certificate No : IAS/IND/10414

*Certificate is valid for three years (22nd Dec 2020 to 21st Dec 2023) from the date of initial registration.Upon successful completion of surveilence audit a new certificate with an extended validity will be issued,Further clarification regarding this scope of this certification may be obtained by consulting the organisation.This certificate is property of IAS must be returned to IAS,upon cancellation.

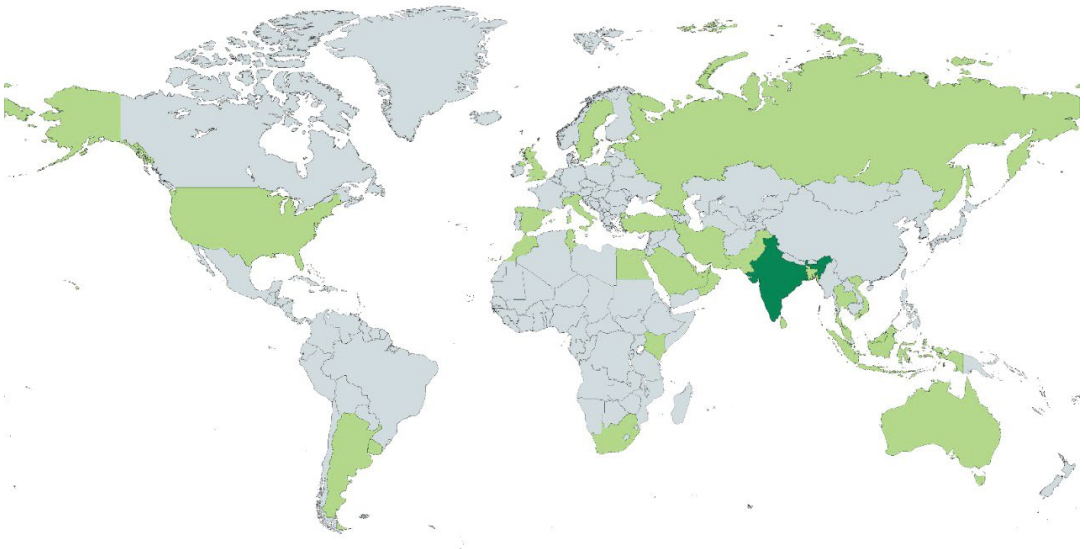
UQAS www.uqas.org

Certifying Authority

klikpad

Shibaam Polymers

COUNTRIES EXPORTED TO



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