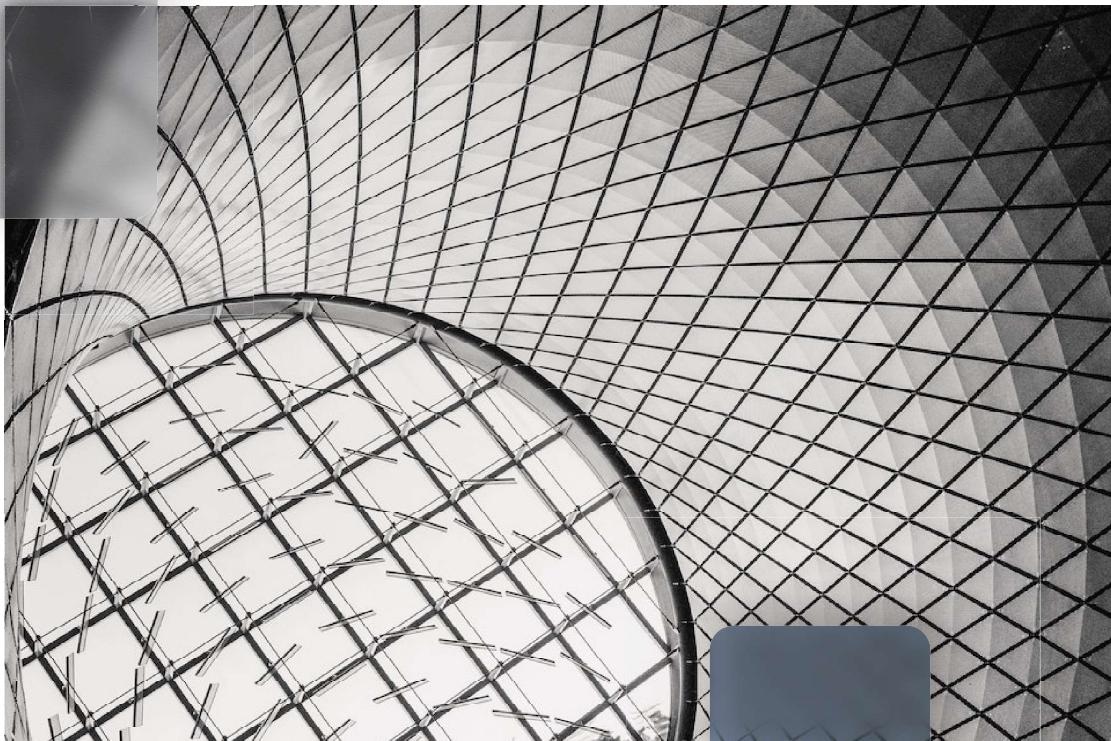




Our polycarbonate sheets are backed by world class manufacturing, strong focus on quality control and advanced technical support, to meet customer's global specifications with domestic manufacturing.

WHO ARE WE?



Khanna Polyrib Pvt. Ltd. is a part of KBK Group which has been in the business of Polymer Components, sheets and parts since 1964.

We are an ISO Certified company with fully equipped Testing Laboratory & Quality Control System.

At Polyrib, we are dedicated to meeting our customers' ever changing needs with our high performance ~~pc~~clear sheet portfolio. Our material solutions and services help our customers to reduce their system costs, create innovative designs with environmentally responsible materials.

Rise to meet customer expectations
Innovate as per latest technology
Build products in India for the world

OUR PROMISE

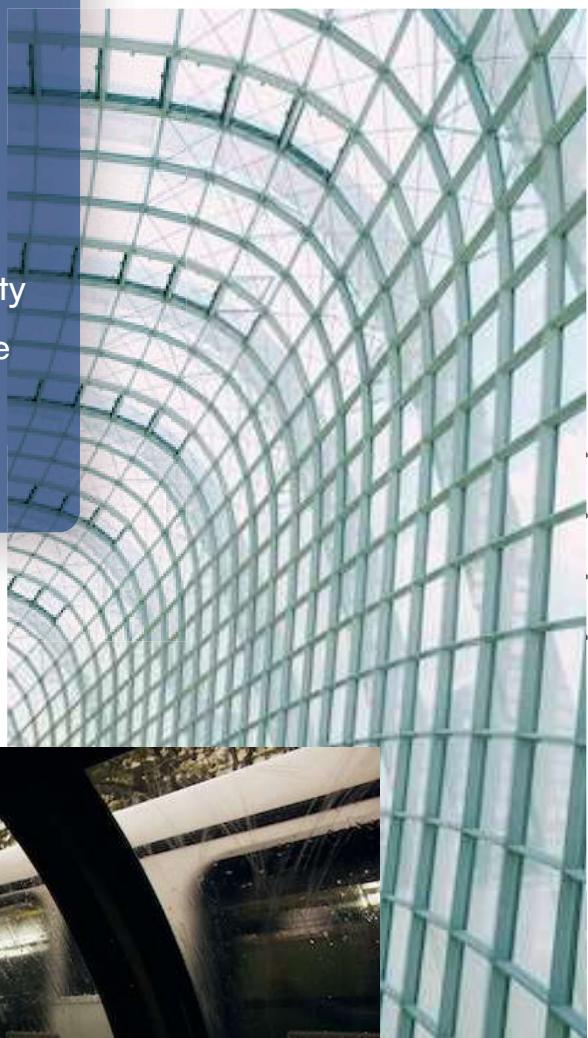


WHY CHOOSE US?

Polycarbonate Sheets by pcclear have various properties that make them superior to other thermoplastic materials or glass, making them the ideal solution for roofing and cladding.

FEATURES

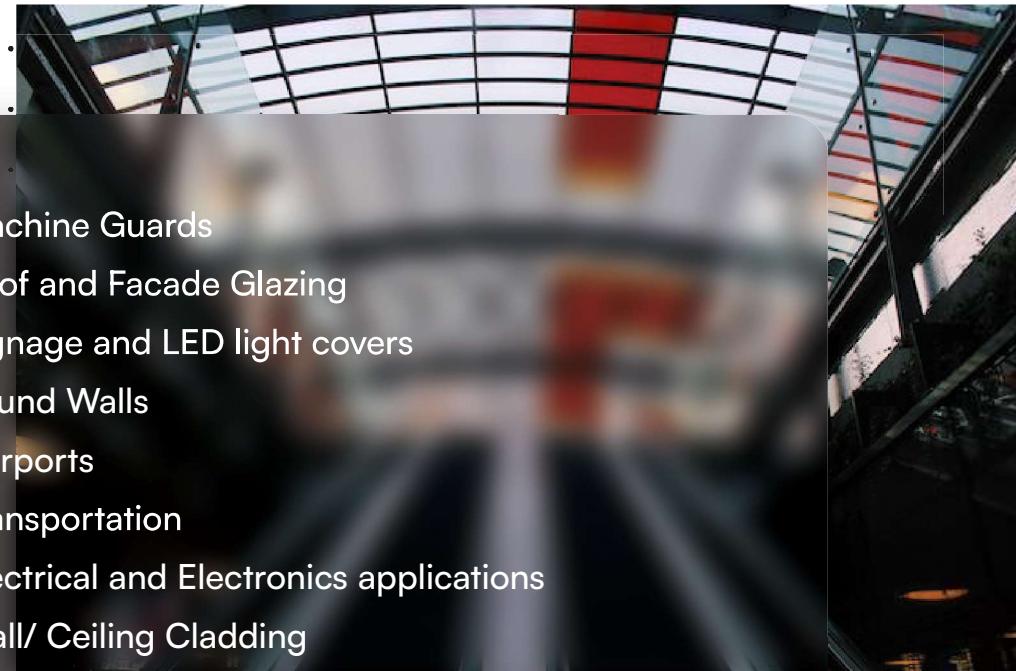
- High Impact Resistance
- Excellent Light Transmission
- High Heat Resistance
- Wide colour range availability
- UV & Weathering Resistance
- Large sheet sizes



POTENTIAL APPLICATIONS

• • • • •

- Machine Guards
- Roof and Facade Glazing
- Signage and LED light covers
- Sound Walls
- Carports
- Transportation
- Electrical and Electronics applications
- Wall/ Ceiling Cladding
- Galley Applications
- Light Diffusers
- Architectural Projects
- Temporary Walls
- Machine Protection
- Advertisement Panels
- Thermoformed parts
- Suitcases
- Greenhouses
- Industrial roofing, roof-lights



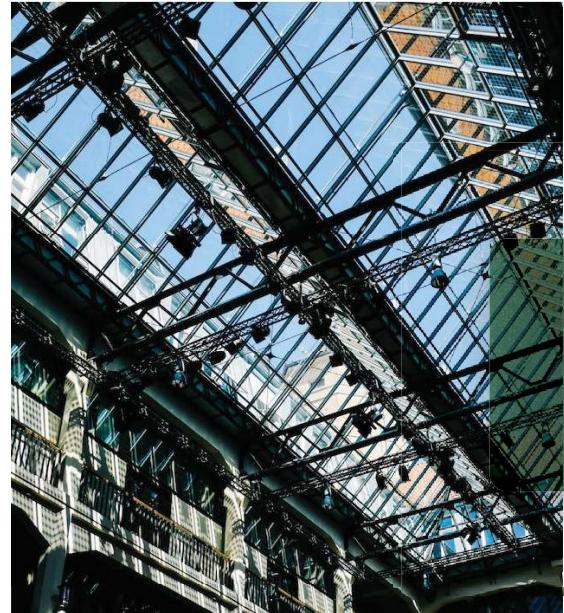
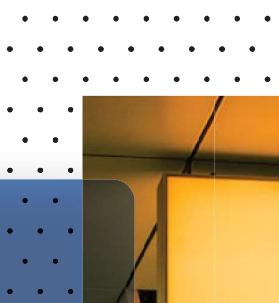
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PRODUCT RANGE

POLYCARBONATE SHEETS

- Standard PC transparent sheets for general purpose applications.
- Flame retardant PC sheets conforming to UL94-VO standard.
- PC sheets that complies with food contact regulations.
- Standard PC sheets with UV protection.
- Coloured PC sheets with or without UV protection.
- PC sheets with diffusing properties.
- Embossed PC Sheets natural and coloured.
- Opaque PC Sheets.



pcclear SHEETS

pcclear Light- Polycarbonate transparent sheets both sides masking without UV layer.

pcclear UV Light- Polycarbonate transparent sheets both sides masking with UV layer.

pcclear Glaze- Polycarbonate embossed sheets one side masking without UV layer.

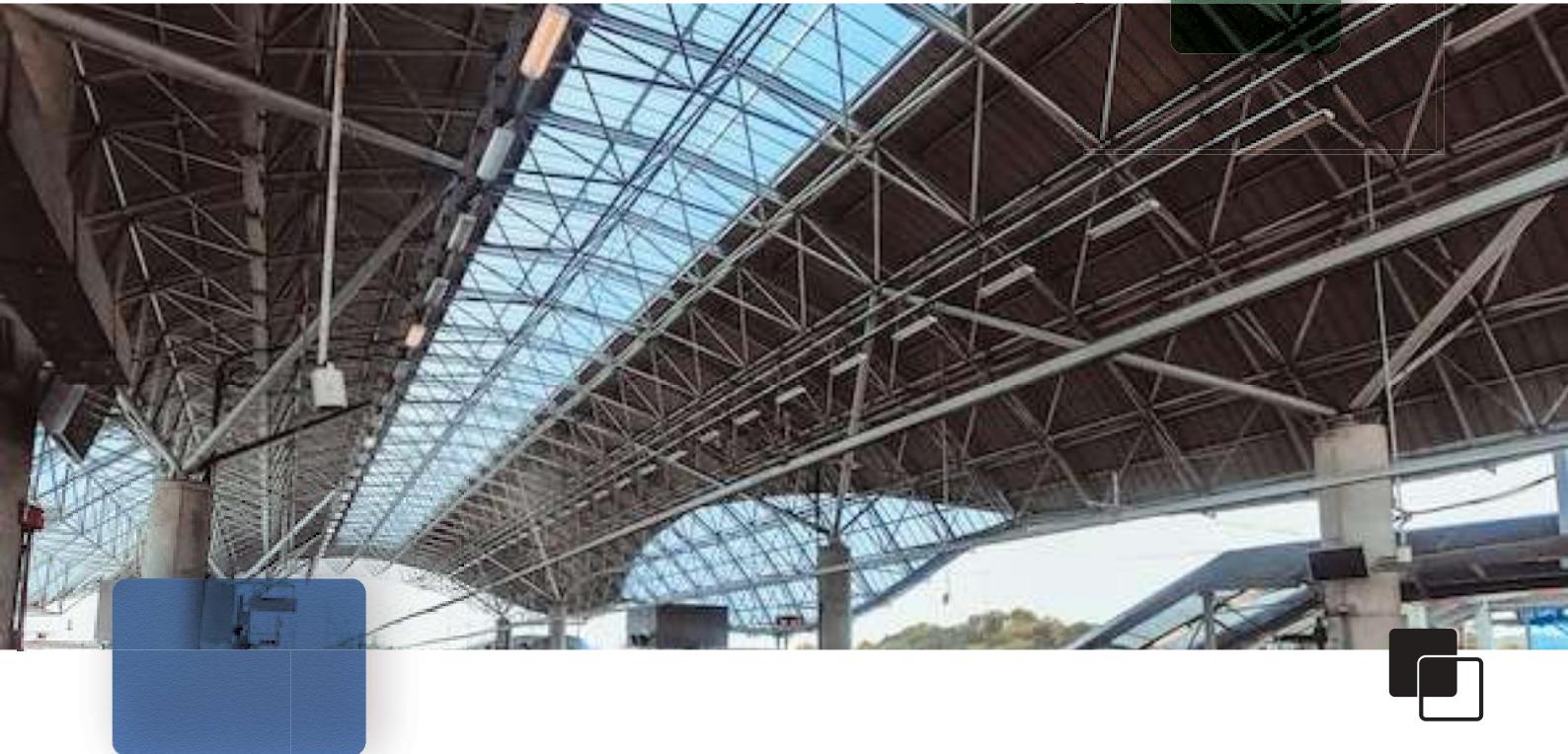
pcclear Glaze UV- Polycarbonate embossed sheets one side masking with UV layer.

pcclear Glaze Diamond- Polycarbonate embossed "Diamond" sheets one side masking without UV layer.

pcclear Shade- Colored transparent sheets with or without UV.

pcclear Rib- Polycarbonate Sheets corrugated profiles for sheets for roofing application.

pcclear Opal- Opaque sheets



pcclear Light

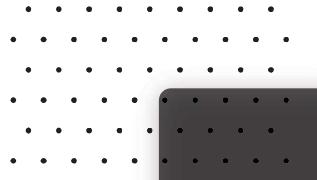
These are flat solid transparent glass-like polycarbonate sheets with high clarity and optical performance. It is an excellent alternative to glass for a wide range of applications as they are 200 times stronger and weigh less than half. pcclear Light sheets have outstanding strength, stiffness and impact resistance, that work effectively in all outdoor conditions and are eco-friendly. The sheets have excellent temperature performance and are useful in various fields where tough, unbreakable solutions are needed which can last for years with proper care.



pcclear Shades

These are pcclear Light coloured transparent Sheets, which makes the light more soft and uniformly distributed. A colored polycarbonate sheet is an excellent choice for signage, radiant displays and fixtures. This cost-effective material can hold up for years without needing to be replaced. It can be molded, cut and bent to meet your needs. Whether you are looking for a material for larger industrial projects or smaller, do-it-yourself home improvement projects, there is colored polycarbonate sheeting to meet your needs. pcclear Shades sheets give your look a vibrant one. This heat-resistant, scratch-resistant and weather-proof material is reliable and will last for years to come.





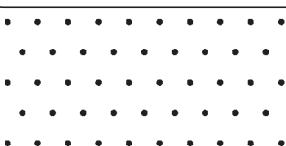
| pcoclear Glaze

Glaze sheets have textured/ embossed surface with one side UV-protected coating, not only enhances the covered performance but also avoids strong glare of the direct illuminate, scatters reflected light, make light softer, and reduces light pollution. They are not only lightweight and high impact resistance but can also be easily shaped using cold bend processing and hot moulding. pcoclear Glaze sheets have 2 surface design separately in Diamond and Raindrop, and can supply variety of color, is particularly applicable to all kinds of decoration design, Construction Industry, Shower Room Partition & Wall Furniture.



| pcoclear Opal

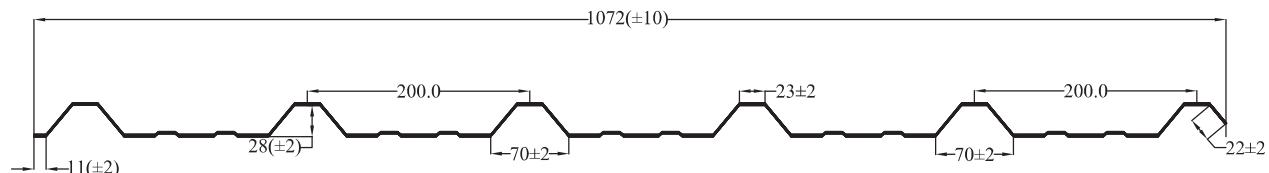
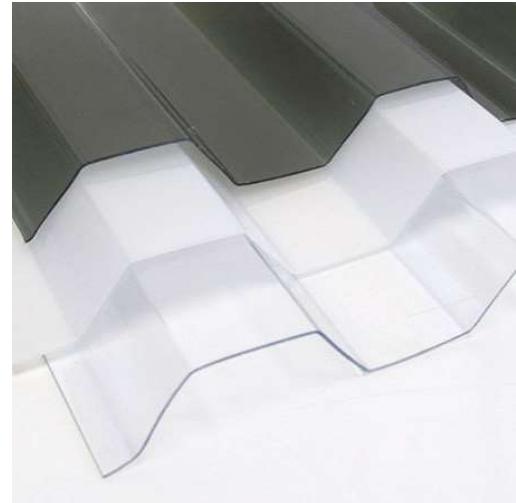
Opaque polycarbonate sheets, virtually unbreakable material for the toughest environments. It has superior impact resistance and a wide temperature range. It is generally used for thermoforming, bending or machining. It also has better fire properties, the material is even self-extinguishing.



| pc clear Rib

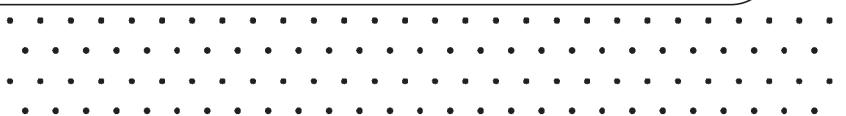
These are Corrugated profiled Solid Sheet which can withstand extreme amounts of force and are nearly unbreakable made with 100% Virgin UV material. The finished product has characters of flexible installation, high light transmission, light weight, sound waterproof function and high impact strength. pc clear Rib Sheet is the ideal building material in various structures of construction awning, sunroom roofing and cladding. It is 20 times stronger than traditional fiberglass panels and can withstand all weather conditions without fading or discoloring while also remaining damage free from any various impacts over the years.

pc clear Rib sheets are available in both plain and embossed surface.



WIDTH-1072 ±10mm
STANDARD LENGTH-12FT / 20FT / 24FT

EFFECT WIDTH(MM)	1000
FEEDING WIDTH(MM)	1220
THICKNESS(MM)	1.2 TO 2MM
MATERIAL	PC CLEAR COMPACT/EMBOSS



pcclear PRODUCTION PROGRAM

Thickness (mm)	Sheet	Roll	Embossed
1.2	Yes		
1.5	Yes	Yes	Yes
1.75	Yes	Yes	Yes
2	Yes	Yes	Yes
2.25	Yes	Yes	Yes
2.5	Yes	Yes	Yes
2.75	Yes	Yes	Yes
3	Yes	Yes	Yes
3.25	Yes		Yes
3.5	Yes		Yes
3.75	Yes		Yes
4	Yes		Yes
4.25	Yes		Yes
4.5	Yes		Yes
4.75	Yes		Yes
5	Yes		Yes
5.75	Yes		
6	Yes		
8	Yes		
10	Yes		
12	Yes		

DIMENSIONS

Rolls are all **50 ft/100 ft** i.e. **15,250/30,250 mm** long & other lengths available on demand.

Sheet Width upto: **2135 mm.**

Other standard sizes available-
4ft x 8 ft (1220x2440mm)
4ft x 6.5ft (1220x2000mm)

COLOUR RANGE

Lake Blue, Green, Bronze

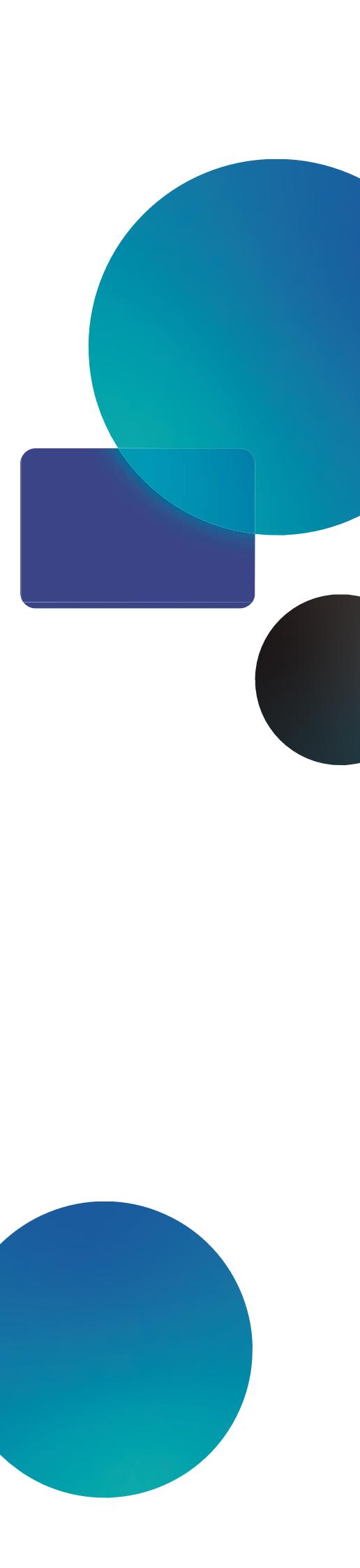




TECHNICAL DATA SHEET

GENERAL			
General Properties	Method	Units	Value
Density	ISO 1183	g/ cm ³	1.2
Light Transmission (Depending on Thickness)	ASTM D 1003	%	81 - 90
Light Transmission	ISO 489		1,585
MECHANICAL			
General Properties	Method	Units	Value
Tensile Strength at yield	ISO 527-2	MPa	63
Tensile Modulus	ISO 527-2	MPa	2300
Elongation at break	ISO 527-2	%	>100
Elongation at yield		%	6
Flexural Modulus	ISO 178	MPa	2330
Charpy Un-notched	ISO 179	kJ/m ²	Not Break
Izod Impact notched	ISO 180a	kJ/m ²	>65
THERMAL			
General Properties	Method	Units	Value
Temp of deflection (HDT) Under load of 1.8MPa	ISO 75-1	°C	130
Vicat softening temp (50°C/h 50N)	ISO 306	°C	144
Thermal Conductivity	DIN52612	W/m x °C	0.2
Coefficient of linear thermal expansion 0-50°C	ISO 11359	mm/(m x 1/°C)	0.070
GWFI (Glow-Wire Flammability index)	IEC60695-2	°C	900
ELECTRICAL			
General Properties	Method	Units	Value
Volume Resistivity	IES 60093	Ω x cm	3 x 10 ¹⁴
Surface Resistivity, dry	IEC 60093	Ω	6 x 10 ¹⁶
Dissipation Factor 1Mhz	IEC 60250		0.009
Dissipation Factor 100Hz	IEC 60250		0.0006





Our experience in the industry ensures the quality and precision of our products.

CONTACT US-

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