

JIAOU PETG SHEET

EXTRUDED MODIFIED POLYETHYLENE
TEREPHTHALATE (PETG) SHEETS

JIAOU PETG sheets are made from modified Polyethylene Terephthalate. The product is easy to fabricate and thermoform without pre-drying offering faster cycle times hence cost saving. Jiaou PETG combines excellent transparency with toughness and excellent chemical resistance. The product can be used in packaging, POP display applications, personal protection and decorative panels

JIAOU PETG sheet can be used for applications where food contact or sterilization is required. This product also can be colored, matt, silicone oil, anti-UV, anti-static and anti-fog.



Main Advantages:

- High clarity and light transmission
- Excellent impact resistance much better than acrylic
- Excellent toughness and flexibility
- Easy to print on
- Easy to thermoform and fabricate
- Recyclability
- Easy to clean-Chemically resistant to most common cleaners

Applications:

- POP displays
- Supermarket shelves and price racks
- Indoor and outdoor signs
- Vending machine and game machine faces
- Glazing and decorative panels
- Personal protection
- Industrial protection guards
- Clear Aligner
- Food, medical and electronic packaging

Size To Run:

Standard size: 1220 × 2240mm
1250 x 2050 mm
2050 x 3050 mm

Thickness range: 0.2 – 8 mm

Colour: Clear and Transparent colours

PETG SHEET TECHNICAL DATA SHEET

Items	Test Method	Unit	Typical Value
Property			
Specific Gravity	ASTM D792	g/cm ³	1.27
Rockwell Hardness	ASTM D785	R-scale	106
Moisture Absorption	ASTM D570	%	0.15
Mechanical			
Tensile Strength@Yield	ASTM D638	Kgf/cm ²	496
Tensile Strength@Break 50mm/min(2 inch/min)	ASTM D638	Kgf/cm ²	281
Elongation@Yield	ASTM D638	%	3.7
Elongation@Break	ASTM D638	%	136
Flexural Strength 1.27mm/min(2 inch/min)	ASTM D790	Kgf/cm ²	620
Flexural Modulus 1.27mm/min(3 inch/min)	ASTM D790	Kgf/cm ²	20800
Lzod impact Strength Notched@23°C	ASTM D256	J/m	98
Thermal			
Heat Distortion Temperature @0.45MPa(66 PSI)	ASTM D648	°C	77
Optical			
Haze	ASTM D1003	%	<1.0
Transmittance	ASTM D1003	%	90
Refractive Index	ASDM D542	/	1.52
Flammability			
UL Flammability Classification @1.0mm thickness	UL 94	/	HB
UL Flammability Classification @1.5mm thickness	UL 94	/	HB
UL Flammability Classification @3.0mm thickness	UL 94	/	V-2
Electric			
Dielectric Strength (short time, 500V/sec)	ASTM D149	Kv/mm	16

Properties reported here are typical values. Jiaou New Materials makes no representation that the material in any particular shipment will conform exactly to the values given. The above information is based upon experience and given in good faith. Due to many factors which are outside our knowledge and control, no warranty is given or is to be implied with respect to such information. Detailed product specification and technical manual/information is available on request.

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