

Plaskolite Mustang PETG Sheet

Category : Polymer , Thermoplastic , Polyester, TP , Polyethylene Terephthalate (PET) , PETG Copolyester

Material Notes:

MUSTANG sheet signage material is continually processed using Eastman Tritan® copolyester, MUSTANG offers superior forming details, improved material distribution and shorter heating and cooling cycles. UV protective layer technology makes MUSTANG an ideal alternative to polycarbonate for indoor and outdoor applications. Flat sheet and roll stock availableData provided by the manufacturer, Plaskolite, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-Mustang-PETG-Sheet.php

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in ³	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	34	34	ASTM D785
Hardness, Rockwell R	119	119	ASTM D785
Tensile Strength	49.6 MPa	7200 psi	ASTM D638
Tensile Modulus	1.59 GPa	230 ksi	ASTM D638
Flexural Strength	65.5 MPa	9500 psi	ASTM D790
Flexural Modulus	1.59 GPa	230 ksi	ASTM D790
Compressive Strength	98.6 MPa	14300 psi	ASTM D695
Izod Impact, Notched	10.1 - 10.7 J/cm @Thickness <=3.00 mm	19.0 - 20.0 ft-lb/in @Thickness <=0.118 in	ASTM D256A
Izod Impact Unnotched	NB @Thickness <=3.00 mm	NB @Thickness <=0.118 in	ASTM D256A
Impact Test	>= 22.6 J @Thickness 5.99 mm, Temperature 22.8 °C	>= 16.7 ft-lb @Thickness 0.236 in, Temperature 73.0 °F	Drop Ball Impact Test, 1 inch dart
	>= 22.6 J @Thickness 5.99 mm, Temperature -17.8 °C	>= 16.7 ft-lb @Thickness 0.236 in, Temperature 0.000 °F	Drop Ball Impact Test, 1 inch dart

Thermal Properties	Metric	English	Comments
CTE, linear	70.2 µm/m-°C @Temperature -34.4 - -	39.0 µin/in-°F @Temperature -30.0 -	ASTM D696

Thermal Properties	111 °C Metric	30.0 °F English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	98.9 °C	210 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	90.0 °C	194 °F	ASTM D648

Optical Properties	Metric	English	Comments
Transmission, Visible	85 %	85 %	ASTM D1003

Processing Properties	Metric	English	Comments
Processing Temperature	154 - 182 °C	310 - 360 °F	Forming Temp

Descriptive Properties	Value	Comments
Flammability	B2	

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