

Spartech PETG 3D Lenticular 3-D Specialty Sheet

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

Material Notes:

Description: Specialty Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-PETG-3D-Lenticular-3-D-Specialty-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.33 g/cc	1.33 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	106	106	ASTM D2240
Tensile Strength at Break	57.9 MPa	8400 psi	ASTM D882
Tensile Strength, Yield	58.6 MPa	8500 psi	ASTM D882
Elongation at Break	300 %	300 %	ASTM D882
Tensile Modulus	2.21 GPa	320 ksi	ASTM D882
Flexural Yield Strength	84.1 MPa	12200 psi	ASTM D790
Flexural Modulus	2.21 GPa	320 ksi	ASTM D790
Izod Impact, Unnotched	0.497 J/cm	0.930 ft-lb/in	ASTM D256
	0.278 J/cm	0.520 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Falling Dart Impact	678 J	500 ft-lb	73°F; ASTM D1709A
	542 J	400 ft-lb	ASTM D1709A
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	57.6 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	32.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	72.2 Å°C	162 Å°F	ASTM D540

Optical Properties	Metric	English	Comments
Gloss	90 %	90 %	Gardner; ASTM D2523

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