

Spartech Solarex® K High Heat Weatherable Copolyester Sign Grade Sheet

Category : Polymer , Thermoplastic , Polyester, TP

Material Notes:

Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Solarex-K-High-Heat-Weatherable-Copolyester-Sign-Grade-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.22 g/cc	1.22 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	55.2 MPa	8000 psi	ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	ASTM D638
Flexural Yield Strength	85.15 MPa	12350 psi	ASTM D790
Flexural Modulus	2.28 GPa	330 ksi	ASTM D790
Izod Impact, Unnotched	1.07 J/cm	2.00 ft-lb/in	ASTM D256
Falling Dart Impact	36.6 J	27.0 ft-lb	73°F; ASTM D3029

Thermal Properties	Metric	English	Comments
CTE, linear	74.9 $\mu\text{m}/\text{m}\cdot\text{°C}$	41.6 $\mu\text{in}/\text{in}\cdot\text{°F}$	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	82.2 °C	180 °F	ASTM D648
Flammability, UL94	HB	HB	

Optical Properties	Metric	English	Comments
Gloss	85 %	85 %	Gardner; ASTM D2523

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