

Spartech Sungard Ultra Weatherable Polycarbonate Sign Grade Sheet

Category : Polymer , Thermoplastic , Polycarbonate (PC) , Polycarbonate, Molded

Material Notes:

Description: Sign Grade Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Sungard-Ultra-Weatherable-Polycarbonate-Sign-Grade-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	118	118	ASTM D785
Tensile Strength, Yield	64.5 MPa	9360 psi	ASTM D638
Tensile Modulus	2.41 GPa	350 ksi	ASTM D638
Flexural Yield Strength	93.1 MPa	13500 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Unnotched	9.08 J/cm	17.0 ft-lb/in	ASTM D256
Falling Dart Impact	1300 J	960 ft-lb	73°F, No Break; ASTM D3029

Thermal Properties	Metric	English	Comments
CTE, linear	68.4 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$	38.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$	ASTM D696
	@Temperature 20.0 $\text{Å}^\circ\text{C}$	@Temperature 68.0 $\text{Å}^\circ\text{F}$	
Deflection Temperature at 1.8 MPa (264 psi)	132 $\text{Å}^\circ\text{C}$	270 $\text{Å}^\circ\text{F}$	ASTM D648
Flammability, UL94	HB	HB	

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

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