

Spartech SolarKote® /ABS Weatherable Sheet

Category : Polymer , Thermoplastic , ABS Polymer , Acrylic (PMMA)

Material Notes:

Description: Weatherable SheetSolarKote is a registered trademark of Atofina Chemicals, Inc..Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-SolarKote-ABS-Weatherable-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	99	99	ASTM D785
Tensile Strength, Yield	34.5 MPa	5000 psi	ASTM D638
Tensile Modulus	1.79 GPa	260 ksi	ASTM D638
Flexural Yield Strength	71.0 MPa	10300 psi	ASTM D790
Flexural Modulus	2.07 GPa	300 ksi	ASTM D790
Izod Impact, Unnotched	2.40 J/cm	4.50 ft-lb/in	ASTM D256
	0.534 J/cm	1.00 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Falling Dart Impact	27.1 J	20.0 ft-lb	73°F; ASTM D3029
	10.8 J	8.00 ft-lb	ASTM D3029
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 Åµm/m-Å°C	50.0 Åµin/in-Å°F	ASTM D696
	@Temperature 20.0 Å°C	@Temperature 68.0 Å°F	
Deflection Temperature at 1.8 MPa (264 psi)	82.2 Å°C	180 Å°F	ASTM D648
Flammability, UL94	HB	HB	

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

Optical Properties

Metric

English

Comments

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