

Spartech Royalite R84 Weather Resistant Sheet

Category : Polymer , Thermoplastic

Material Notes:

Description: Weather Resistant Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Royalite-R84-Weather-Resistant-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.03 - 1.08 g/cc	1.03 - 1.08 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	75	75	ASTM D785
Tensile Strength, Yield	27.6 MPa	4000 psi	ASTM D638
Flexural Yield Strength	44.8 MPa	6500 psi	ASTM D790
Flexural Modulus	1.79 GPa	260 ksi	ASTM D790
Izod Impact, Notched	4.54 J/cm	8.50 ft-lb/in	73°F; ASTM D256
	1.07 J/cm	2.00 ft-lb/in	ASTM D256
	@Temperature -28.9 °C	@Temperature -20.0 °F	
Impact Test	36.6 J	27.0 ft-lb	Dynatup Instrumented Impact; ASTM D3763
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	75.6 - 101 µm/m-°C	42.0 - 56.0 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	97.8 °C	208 °F	ASTM D648
Flammability, UL94	HB	HB	

Descriptive Properties	Value	Comments
Flammability	Passes	MVSS (Motor Vehicle Safety Standard) 302
Underwriters Laboratories	f1	UL746C

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