

Spartech Royalite R570 FR-ABS Fire Rated Sheet

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Sheet

Material Notes:

Description: Fire Rated Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Royalite-R570-FR-ABS-Fire-Rated-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.21 - 1.28 g/cc	1.21 - 1.28 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ASTM D785
Tensile Strength, Yield	39.3 MPa	5700 psi	ASTM D638
Flexural Yield Strength	64.8 MPa	9400 psi	ASTM D790
Flexural Modulus	2.14 GPa	310 ksi	ASTM D790
Izod Impact, Notched	2.40 J/cm	4.50 ft-lb/in	73°F; ASTM D256
	0.801 J/cm	1.50 ft-lb/in	ASTM D256
	@Temperature -28.9 °C	@Temperature -20.0 °F	
Impact Test	27.1 J	20.0 ft-lb	Dynatup Instrumented Impact; ASTM D3763
	@Temperature 22.8 °C	@Temperature 73.0 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	82.8 - 99.0 µm/m-°C	46.0 - 55.0 µin/in-°F	ASTM D696
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Deflection Temperature at 1.8 MPa (264 psi)	79.4 °C	175 °F	ASTM D648
Flammability, UL94	V-0	V-0	5V

Descriptive Properties	Value	Comments
Flammability	Passes	MVSS (Motor Vehicle Safety Standard) 302

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