

Spartech Royalite R20 ABS General Purpose Sheet

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

Material Notes:

Description: General Purpose SheetInformation provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Royalite-R20-ABS-General-Purpose-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 - 1.08 g/cc	1.02 - 1.08 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	88	88	ASTM D785
Tensile Strength, Yield	32.4 MPa	4700 psi	ASTM D638
Flexural Yield Strength	48.3 MPa	7000 psi	ASTM D790
Flexural Modulus	1.59 GPa	230 ksi	ASTM D790
Izod Impact, Notched	4.27 J/cm	8.00 ft-lb/in	73°F; ASTM D256
	2.67 J/cm	5.00 ft-lb/in	ASTM D256
	@Temperature -28.9 °C	@Temperature -20.0 °F	
Impact Test	35.3 J	26.0 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)	96.1 °C	205 °F	ASTM D648

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

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