

Spartech SP-9010 General Purpose ABS Sheet

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

Material Notes:

Description: ABS Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-SP-9010-General-Purpose-ABS-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	41.4 MPa	6000 psi	ASTM D638
Tensile Modulus	2.14 GPa	310 ksi	ASTM D638
Flexural Yield Strength	68.9 MPa	10000 psi	ASTM D790
Flexural Modulus	2.34 GPa	340 ksi	ASTM D790
Izod Impact, Unnotched	4.00 J/cm	7.50 ft-lb/in	ASTM D256
	1.33 J/cm	2.50 ft-lb/in	ASTM D256
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Falling Dart Impact	44.7 J	33.0 ft-lb	73°F; ASTM D3029
	16.3 J	12.0 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)	92.2 Å°C	198 Å°F	ASTM D648
Flammability, UL94	HB	HB	

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

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

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