

Spartech Royalite R910 PC/ABS General Purpose Sheet

Category : Polymer , Thermoplastic , ABS Polymer , Polycarbonate/ABS Alloy, Unreinforced , Polycarbonate (PC)

Material Notes:

Description: General Purpose Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Royalite-R910-PCABS-General-Purpose-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.08 - 1.12 g/cc	1.08 - 1.12 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	114	114	ASTM D785
Tensile Strength, Yield	55.2 MPa	8000 psi	ASTM D638
Flexural Yield Strength	89.6 MPa	13000 psi	ASTM D790
Flexural Modulus	2.48 GPa	360 ksi	ASTM D790
Izod Impact, Notched	5.34 J/cm	10.0 ft-lb/in	73°F; ASTM D256
Impact Test	42.0 J @Temperature 22.8 °C	31.0 ft-lb @Temperature 73.0 °F	Dynatup Instrumented Impact; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	75.6 - 101 Åµm/m-Å°C @Temperature 20.0 Å°C	42.0 - 56.0 Åµin/in-Å°F @Temperature 68.0 Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	121 Å°C	250 Å°F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	104 Å°C	220 Å°F	ASTM D648
Flammability, UL94	HB	HB	

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

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