

Spartech Royalite DKE 400 PVC/Acrylic Fire Rated Sheet

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Vinyl (PVC) , PVC/Acrylic Alloy

Material Notes:

Description: Fire Rated Sheet Information provided by Spartech.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Spartech-Royalite-DKE-400-PVCAcrylic-Fire-Rated-Sheet.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 - 1.38 g/cc	1.30 - 1.38 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ASTM D785
Tensile Strength, Yield	40.0 MPa	5800 psi	ASTM D638
Flexural Yield Strength	63.4 MPa	9200 psi	ASTM D790
Flexural Modulus	2.21 GPa	320 ksi	ASTM D790
Izod Impact, Notched	6.41 J/cm	12.0 ft-lb/in	73°F; ASTM D256
Impact Test	44.7 J @Temperature 22.8 °C	33.0 ft-lb @Temperature 73.0 °F	Dynatup Instrumented Impact; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	82.8 - 99.0 $\mu\text{m}/\text{m}\cdot\text{Å}^\circ\text{C}$ @Temperature 20.0 °C	46.0 - 55.0 $\mu\text{in}/\text{in}\cdot\text{Å}^\circ\text{F}$ @Temperature 68.0 Å° F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	65.6 Å° C	150 Å° 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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