

## Spartech Royalite R66 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-R66-PVCAcrylic-Fire-Rated-Sheet.php](http://www.lookpolymers.com/polymer_Spartech-Royalite-R66-PVCAcrylic-Fire-Rated-Sheet.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.35 - 1.45 g/cc	1.35 - 1.45 g/cc	ASTM D792

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ASTM D785
Tensile Strength, Yield	40.7 MPa	5900 psi	ASTM D638
Flexural Yield Strength	65.5 MPa	9500 psi	ASTM D790
Flexural Modulus	2.21 GPa	320 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	73°F; ASTM D256
Impact Test	40.7 J @Temperature 22.8 °C	30.0 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)	76.7 Å° C	170 Å° F	ASTM D648

Descriptive Properties	Value	Comments
Bus and Rail Smoke Rating	Dmax < 300	UMTA/DOT/FRA
Flammability	Passes	MVSS (Motor Vehicle Safety Standard) 302

## Contact Songhan Plastic Technology Co.,Ltd.

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