

## Spartech Polycast Poly FR9 (0.060") Cell Cast Acrylic

Category : Polymer , Thermoplastic , Acrylic (PMMA)

### Material Notes:

Description: Cell Cast Acrylic Information provided by Spartech.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Spartech-Polycast-Poly-FR9-0060-Cell-Cast-Acrylic.php](http://www.lookpolymers.com/polymer_Spartech-Polycast-Poly-FR9-0060-Cell-Cast-Acrylic.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Water Absorption	0.20 %	0.20 %	24 hr immersion
Water Absorption at Saturation	0.65 %	0.65 %	26 day immersion

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	96	96	ASTM D785
Tensile Strength, Yield	>= 72.4 MPa	>= 10500 psi	ASTM D638
Elongation at Break	4.5 %	4.5 %	ASTM D638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D638

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.46 J/g-°C @Temperature 25.0 °C	0.350 BTU/lb-°F @Temperature 77.0 °F	Dupont 900 (Therm. An. Cal.)
Flame Spread	<= 7.6 mm/min	<= 0.30 in/min	Burning Rate UL 94 HB; ASTM D635
Shrinkage	<= 1.0 %	<= 1.0 %	Residual Shrinkage (Internal Strain) Polycast Mil Spec; ASTM D4802

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ASTM D542
Haze	<= 0.50 %	<= 0.50 %	As Cast; ASTM D1003
Transmission, Visible	92 %	92 %	As Cast; ASTM D1003
UV Transmittance	0.00 % @Wavelength 320 nm	0.00 % @Wavelength 320 nm	

Descriptive Properties	Value	Comments
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Smoke Density  
Descriptive Properties

Max 13%; Rating 23.2%  
Value

ASTM D2843  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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