

Sumitomo Chemical Sumipex[®] LG35 Acrylic Resin, High Flow

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, High Flow, Molded

Material Notes:

Product Characteristics High Flow Improved Cycle Time Information provided by Calsak Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sumitomo-Chemical-Sumipex-LG35-Acrylic-Resin-High-Flow.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.19 g/cc	1.19 g/cc	ASTM D792
Linear Mold Shrinkage	0.0020 - 0.0060 cm/cm	0.0020 - 0.0060 in/in	ASTM D955
Melt Flow	35 g/10 min @Load 3.80 kg, Temperature 230 Å°C	35 g/10 min @Load 8.38 lb, Temperature 446 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	60.7 MPa	8800 psi	ASTM D638
Elongation at Yield	6.0 %	6.0 %	ASTM D638
Flexural Yield Strength	103 MPa	14900 psi	ASTM D790
Flexural Modulus	2.90 GPa	420 ksi	ASTM D790
Izod Impact, Notched	0.160 J/cm @Thickness 3.17 mm, Temperature 22.8 Å°C	0.300 ft-lb/in @Thickness 0.125 in, Temperature 73.0 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	83.9 Å°C @Thickness 3.17 mm	183 Å°F @Thickness 0.125 in	annealed; ASTM D648
Vicat Softening Point	95.0 Å°C	203 Å°F	ASTM D1525

Optical Properties	Metric	English	Comments
Refractive Index	1.49	1.49	ASTM D542
Haze	0.50 %	0.50 %	ASTM D1003
Transmission, Visible	93 %	93 %	Total light Transmission; ASTM D1003

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