

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

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

Material Notes:

Product Characteristics High Flow Information provided by Calsak Corporation

Order this product through the following link:

http://www.lookpolymers.com/polymer_Sumitomo-Chemical-Sumipex-LG-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	10 g/10 min @Load 5.00 kg, Temperature 200 Å°C	10 g/10 min @Load 11.0 lb, Temperature 392 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	68.0 MPa	9860 psi	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Tensile Modulus	3.10 GPa	450 ksi	ASTM D638
Flexural Yield Strength	115 MPa	16700 psi	ASTM D790
Izod Impact, Notched	0.422 J/cm @Thickness 3.17 mm, Temperature 22.8 Å°C	0.790 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)	93.9 Å°C @Thickness 3.17 mm	201 Å°F @Thickness 0.125 in	annealed; ASTM D648
Vicat Softening Point	102 Å°C	216 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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