

LG Chemical LUPOS HR-2407 Heat Resistant SAN, 40% Glass Fiber Reinforced

Category : Polymer , Thermoplastic , SAN Polymer , Styrene Acrylonitrile (SAN), Molded, Glass Reinforced

Material Notes:

LUPOS resins are glass fiber reinforced styrene copolymers. LUPOS have improved strength, rigidity and dimensional stability. They offer excellent heat resistance, minimal mold shrinkage and have a wide range of applications in automotive parts, electrical/electronic parts, and industrial equipments, etc. Applications: Automotive: Main core, glove box, meter box, head lamp housing, back mirror cover, etc. Electrical and Electronic: Computer tape reel, pan cake hub for video and audio, stereo speaker box, fan for air conditioner, washing machine pulley, fax frame Others: Camera body, fishing reel, bobbin Information Provided by LG Chem

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUPOS-HR-2407-Heat-Resistant-SAN-40-Glass-Fiber-Reinforced.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.44 g/cc	1.44 g/cc	ASTM D792
Linear Mold Shrinkage	0.0010 cm/cm	0.0010 in/in	ASTM D955
Linear Mold Shrinkage, Transverse	0.0020 cm/cm	0.0020 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	132 MPa	19100 psi	ASTM D638
Elongation at Break	4.0 %	4.0 %	ASTM D638
Flexural Strength	155 MPa	22500 psi	ASTM D790
Flexural Modulus	11.27 GPa	1635 ksi	ASTM D790
Izod Impact, Notched	0.490 J/cm @Temperature 23.0 Â°C	0.918 ft-lb/in @Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	109 Â°C	228 Â°F	ASTM D648
Flammability, UL94	HB @Thickness 1.50 mm	HB @Thickness 0.0591 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	210 - 230 Â°C	410 - 446 Â°F	
Middle Barrel Temperature	220 - 240 Â°C	428 - 464 Â°F	

Front Barrel Temperature Processing Properties	230 - 250 Â°C Metric	446 - 482 Â°F English	Comments
Nozzle Temperature	230 - 250 Â°C	446 - 482 Â°F	
Melt Temperature	240 - 260 Â°C	464 - 500 Â°F	
Mold Temperature	60.0 - 90.0 Â°C	140 - 194 Â°F	
Drying Temperature	90.0 Â°C	194 Â°F	
Dry Time	3 - 4 hour	3 - 4 hour	
Injection Pressure	78.45 - 88.26 MPa	11380 - 12800 psi	Second
	68.65 - 98.07 MPa	9957 - 14220 psi	First
Back Pressure	0.000 - 3.92 MPa	0.000 - 569 psi	
Screw Speed	40 - 60 rpm	40 - 60 rpm	

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