

LG Chemical LUPOS GP2305A SAN+GF30%, General Purpose

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

Material Notes:

Feature: Injection Molding, SAN+GF30%, General Purpose
 Application: Electric & Electronic (Housing, Components)
 CAS No. 9003-56-9 and 65997-17-3
 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUPOS-GP2305A-SANGF30-General-Purpose.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.31 g/cc	1.31 g/cc	ASTM D792
Linear Mold Shrinkage, Flow	0.0010 - 0.0020 cm/cm @Thickness 3.20 mm	0.0010 - 0.0020 in/in @Thickness 0.126 in	ASTM D955
Melt Flow	4.5 g/10 min @Load 2.16 kg, Temperature 250 Å°C	4.5 g/10 min @Load 4.76 lb, Temperature 482 Å°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	115	115	ASTM D785
Tensile Strength, Yield	108 MPa @Thickness 3.20 mm	15600 psi @Thickness 0.126 in	50mm/min; ASTM D638
Elongation at Break	3.0 % @Thickness 3.20 mm	3.0 % @Thickness 0.126 in	50mm/min; ASTM D638
Flexural Yield Strength	152 MPa @Thickness 3.20 mm	22000 psi @Thickness 0.126 in	10mm/min; ASTM D790
Flexural Modulus	8.83 GPa @Thickness 3.20 mm	1280 ksi @Thickness 0.126 in	10mm/min; ASTM D790
Izod Impact, Notched	0.392 J/cm @Thickness 3.20 mm, Temperature 23.0 Å°C	0.735 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	103 Å°C @Thickness 6.40 mm	217 Å°F @Thickness 0.252 in	Unannealed; ASTM D648

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