

LG Chemical Lupox[®] SG5300 PBT+PET+GF30%

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , PBT + PET Blend, Glass Filled , Polyethylene Terephthalate (PET)

Material Notes:

Description: Injection Molding, PBT+PET+GF30%, Good Surface Application: E&E, Automotive (Switch)CAS No. 65997-17-3, 24968-12-5 and 25038-59-9 Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-Lupox-SG5300-PBTPETGF30.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.54 g/cc	1.54 g/cc	ASTM D792
Maximum Moisture Content	0.020	0.020	Injection Molding
Linear Mold Shrinkage, Flow	0.0040 - 0.010 cm/cm @Thickness 3.20 mm	0.0040 - 0.010 in/in @Thickness 0.126 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	118 MPa @Thickness 3.20 mm	17100 psi @Thickness 0.126 in	50mm/min; ASTM D638
Elongation at Break	3.0 % @Thickness 3.20 mm	3.0 % @Thickness 0.126 in	5mm/min; ASTM D638
Flexural Yield Strength	181 MPa @Thickness 3.20 mm	26300 psi @Thickness 0.126 in	1.3mm/min; ASTM D790
Flexural Modulus	7.85 GPa @Thickness 3.20 mm	1140 ksi @Thickness 0.126 in	1.3mm/min; ASTM D790
Izod Impact, Notched	0.735 J/cm @Thickness 3.20 mm, Temperature 23.0 Å°C	1.38 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Å°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	225 Å°C	437 Å°F	@ Break; ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	215 Å°C @Thickness 6.40 mm	419 Å°F @Thickness 0.252 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	205 Å°C @Thickness 6.40 mm	401 Å°F @Thickness 0.252 in	Unannealed; ASTM D648

Thermal Properties	Metric ^{°C}	English ^{°F}	Comments
UL RTI, Electrical	@Thickness >=1.50 mm	@Thickness >=0.0591 in	
UL RTI, Mechanical with Impact	75.0 ^{°C} @Thickness >=1.50 mm	167 ^{°F} @Thickness >=0.0591 in	
UL RTI, Mechanical without Impact	75.0 ^{°C} @Thickness >=1.50 mm	167 ^{°F} @Thickness >=0.0591 in	
Flammability, UL94	HB @Thickness >=1.50 mm	HB @Thickness >=0.0591 in	

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	245 - 255 ^{°C}	473 - 491 ^{°F}	Injection Molding
Middle Barrel Temperature	250 - 260 ^{°C}	482 - 500 ^{°F}	Injection Molding
Front Barrel Temperature	255 - 265 ^{°C}	491 - 509 ^{°F}	Injection Molding
Nozzle Temperature	255 - 265 ^{°C}	491 - 509 ^{°F}	Injection Molding
Melt Temperature	255 - 265 ^{°C}	491 - 509 ^{°F}	Injection Molding
Mold Temperature	80.0 - 100 ^{°C}	176 - 212 ^{°F}	Injection Molding
Drying Temperature	120 ^{°C}	248 ^{°F}	Injection Molding
Dry Time	4.00 - 5.00 hour	4.00 - 5.00 hour	Injection Molding

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China