

LG Chemical Lupox® HV1005S PBT

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT)

Material Notes:

Description: Injection Molding, PBT, High Impact
Application: IT/OA, Automotive (Connector)
CAS No. 155123-66-3 and 24968-12-5
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-Lupox-HV1005S-PBT.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.30 g/cc	1.30 g/cc	ASTM D792
Maximum Moisture Content	0.020	0.020	Injection Molding
Linear Mold Shrinkage, Flow	0.012 - 0.020 cm/cm @Thickness 3.20 mm	0.012 - 0.020 in/in @Thickness 0.126 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 MPa @Thickness 3.20 mm	7250 psi @Thickness 0.126 in	50mm/min; ASTM D638
Elongation at Break	>= 100 % @Thickness 3.20 mm	>= 100 % @Thickness 0.126 in	50mm/min; ASTM D638
Flexural Yield Strength	73.5 MPa @Thickness 3.20 mm	10700 psi @Thickness 0.126 in	2.8mm/min; ASTM D790
Flexural Modulus	2.06 GPa @Thickness 3.20 mm	299 ksi @Thickness 0.126 in	2.8mm/min; ASTM D790
Izod Impact, Notched	0.441 J/cm @Thickness 3.20 mm, Temperature 23.0 Â°C	0.827 ft-lb/in @Thickness 0.126 in, Temperature 73.4 Â°F	ASTM D256

Thermal Properties	Metric	English	Comments
Melting Point	225 Â°C	437 Â°F	@ Break; ASTM D3418
Deflection Temperature at 1.8 MPa (264 psi)	54.0 Â°C @Thickness 6.40 mm	129 Â°F @Thickness 0.252 in	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	230 - 235 Â°C	446 - 455 Â°F	Injection Molding

Processing Properties	Metric	English	Comments
Front Barrel Temperature	235 - 245 Â°C	455 - 473 Â°F	Injection Molding
Nozzle Temperature	240 - 250 Â°C	464 - 482 Â°F	Injection Molding
Melt Temperature	240 - 250 Â°C	464 - 482 Â°F	Injection Molding
Mold Temperature	40.0 - 80.0 Â°C	104 - 176 Â°F	Injection Molding
Drying Temperature	100 - 120 Â°C	212 - 248 Â°F	Injection Molding
Dry Time	3.00 - 5.00 hour	3.00 - 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