

LG Chemical LUMID GP3200B(W) PA66+MF20%, General Purpose

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 20% Mineral Filled

Material Notes:

Feature: Injection Molding, PA6+MF20%, General Purpose Application: E&E (Rice Cooker Housing) Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUMID-GP3200BW-PA66MF20-General-Purpose.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.25 g/cc	1.25 g/cc	ASTM D792
Water Absorption	1.0 %	1.0 %	ASTM D570
Maximum Moisture Content	0.090	0.090	Injection Molding
Linear Mold Shrinkage, Flow	0.010 - 0.012 cm/cm @Thickness 3.20 mm	0.010 - 0.012 in/in @Thickness 0.126 in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	122	122	ASTM D785
Tensile Strength, Yield	79.4 MPa @Thickness 3.20 mm	11500 psi @Thickness 0.126 in	5mm/min; ASTM D638
Elongation at Break	8.0 % @Thickness 3.20 mm	8.0 % @Thickness 0.126 in	5mm/min; ASTM D638
Flexural Yield Strength	118 MPa @Thickness 3.20 mm	17100 psi @Thickness 0.126 in	1.3mm/min; ASTM D790
Flexural Modulus	3.92 GPa @Thickness 3.20 mm	569 ksi @Thickness 0.126 in	1.3mm/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
Melting Point	260 Å°C	500 Å°F	ASTM D3418
Deflection Temperature at 0.46 MPa (66 psi)	230 Å°C @Thickness 6.40 mm	446 Å°F @Thickness 0.252 in	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa	150 Å°C	302 Å°F	Unannealed; ASTM D648

(264 psi) Thermal Properties	Metric @ Thickness 6.40 mm	English @ Thickness 0.252 in	Comments
---------------------------------	-------------------------------	---------------------------------	----------

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+14 ohm-cm	1.00e+14 ohm-cm	ASTM D257
Dielectric Strength	20.0 kV/mm @Thickness 1.00 mm	508 kV/in @Thickness 0.0394 in	ASTM D149

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	265 - 275 Â°C	509 - 527 Â°F	Injection Molding
Middle Barrel Temperature	270 - 280 Â°C	518 - 536 Â°F	Injection Molding
Front Barrel Temperature	270 - 285 Â°C	518 - 545 Â°F	Injection Molding
Nozzle Temperature	270 - 295 Â°C	518 - 563 Â°F	Injection Molding
Melt Temperature	270 - 275 Â°C	518 - 527 Â°F	Injection Molding
Mold Temperature	80.0 - 110 Â°C	176 - 230 Â°F	Injection Molding
Drying Temperature	80.0 - 100 Â°C	176 - 212 Â°F	Injection Molding
Dry Time	4.00 - 5.00 hour	4.00 - 5.00 hour	Injection Molding
Back Pressure	29.4 - 58.8 MPa	4260 - 8530 psi	Injection Molding
Screw Speed	30 - 60 rpm	30 - 60 rpm	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