

## Technical Data

Product Description		
Description General Purpose		
Applications Automotive, E&E		
General		
Material Status	• Commercial: Active	
Literature <sup>1</sup>	• <a href="#">Technical Datasheet (English)</a>	
UL Yellow Card <sup>2</sup>	• <a href="#">E353371-101107248</a> • <a href="#">E67171-248558</a> • <a href="#">E302314-530018</a>	
Search for UL Yellow Card	• <a href="#">LG Chem Ltd.</a> • <a href="#">Lupox®</a>	
Availability	• Asia Pacific • Europe	• Latin America • North America
Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight	
Uses	• Appliance Components	• Electrical/Electronic Applications
Forms	• Pellets	
Physical	Nominal Value Unit	Test Method
Density / Specific Gravity	1.52 g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	18 g/10 min	ASTM D1238
Molding Shrinkage - Flow (23°C, Injection Molded)	0.20 to 0.80 %	ASTM D955
Water Absorption (24 hr, 23°C)	0.070 %	ASTM D570
Mechanical	Nominal Value Unit	Test Method
Tensile Strength <sup>4</sup> Break, 23°C, 3.20 mm, Injection Molded	123 MPa	ASTM D638
Tensile Elongation <sup>4</sup> Break, 23°C, 3.20 mm, Injection Molded	4.0 %	ASTM D638
Flexural Modulus <sup>4</sup> 23°C, 6.40 mm, Injection Molded	7850 MPa	ASTM D790
Flexural Strength <sup>4</sup> 23°C, 6.40 mm, Injection Molded	196 MPa	ASTM D790
Impact	Nominal Value Unit	Test Method
Notched Izod Impact 23°C, 6.40 mm, Injection Molded	69 J/m	ASTM D256
Thermal	Nominal Value Unit	Test Method
Deflection Temperature Under Load 0.45 MPa, Unannealed, 6.40 mm, Injection Molded	216 °C	ASTM D648
1.8 MPa, Unannealed, 6.40 mm, Injection Molded	210 °C	
Peak Melting Temperature	223 °C	ASTM D3418
RTI Elec	140 °C	UL 746
RTI Imp	130 °C	UL 746
RTI Str	140 °C	UL 746
Electrical	Nominal Value Unit	Test Method
Volume Resistivity (23°C)	1.0E+16 ohms·cm	ASTM D257
Dielectric Strength (23°C, 1.00 mm)	28 kV/mm	ASTM D149
Arc Resistance <sup>5</sup>	5.00 sec	ASTM D495
Comparative Tracking Index (CTI) <sup>6</sup>	PLC 0	UL 746



Flammability	Nominal Value Unit	Test Method
Flame Rating		UL 94
0.71 mm	HB	
1.5 mm	HB	
3.3 mm	HB	

Injection	Nominal Value Unit
Drying Temperature	120 °C
Drying Time	4.0 to 5.0 hr
Suggested Max Moisture	0.020 %
Rear Temperature	240 to 255 °C
Middle Temperature	245 to 255 °C
Front Temperature	250 to 260 °C
Nozzle Temperature	250 to 260 °C
Processing (Melt) Temp	250 to 260 °C
Mold Temperature	60 to 100 °C

**Notes**

- <sup>1</sup> These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.
- <sup>2</sup> A UL Yellow Card contains UL-verified flammability and electrical characteristics. UL Prospector continually works to link Yellow Cards to individual plastic materials in Prospector, however this list may not include all of the appropriate links. It is important that you verify the association between these Yellow Cards and the plastic material found in Prospector. For a complete listing of Yellow Cards, visit the UL Yellow Card Search.
- <sup>3</sup> Typical properties: these are not to be construed as specifications.
- <sup>4</sup> 5.0 mm/min
- <sup>5</sup> 23°C
- <sup>6</sup> Solution A

