

Lupol® GP1007FE

Compounded Polypropylene
LG Chem Ltd.

Message:

Description
General Purpose, Flame Retardant
Application
Electrical & Electronic, Automotive Parts

General Information			
Features	Flame Retardant		
	General Purpose		
Uses	Electrical/Electronic Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	1.6 to 1.8	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	25.5	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 200	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	981	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 6.40 mm)	29.4	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 6.40 mm)	> 490	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (0.45 MPa, Unannealed, 3.20 mm)	110	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (0.750 mm)	V-2	UL 94	
Extrusion	Nominal Value	Unit	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	3.0 to 5.0	hr	
Suggested Max Moisture	< 0.020	%	
Cylinder Zone 1 Temp.	190 to 210	°C	
Cylinder Zone 2 Temp.	200 to 230	°C	
Cylinder Zone 3 Temp.	220 to 240	°C	
Cylinder Zone 4 Temp.	220 to 240	°C	
Melt Temperature	230 to 245	°C	
Die Temperature	220 to 240	°C	

NOTE	
1.	50 mm/min
2.	50 mm/min
3.	10 mm/min
4.	10 mm/min
5.	4.6kg

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

