Lumid® GP3300B(W)

Polyamide 66

LG Chem Ltd.

Message:

Description
General Purpose
Applications
Automotive(Engine Cover)

General Information			
UL YellowCard	E67171-101248121		
Features	General Purpose		
Uses	Automotive Applications Automotive Under the Hood		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.37	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.60 to 1.0	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.80	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Break, 3.20 mm)	76.5	MPa	ASTM D638
Tensile Elongation [2] (Break, 3.20 mm)	5.0	%	ASTM D638
Flexural Modulus [3] (6.40 mm)	4900	MPa	ASTM D790
Flexural Strength [4] (Yield, 6.40 mm)	118	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 6.40 mm)	39	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, 6.40 mm)	225	°C	ASTM D648
Peak Melting Temperature	260	°C	ASTM D3418
CLTE - Flow	5.0E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (1.00 mm)	20	kV/mm	ASTM D149
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.750 mm)	HB		UL 94
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 to 100	°C	

Drying Time	4.0 to 5.0	hr
Suggested Max Moisture	0.10	%
Rear Temperature	265 to 275	°C
Middle Temperature	270 to 280	°C
Front Temperature	270 to 285	°C
Nozzle Temperature	270 to 295	°C
Processing (Melt) Temp	270 to 290	°C
Mold Temperature	80.0 to 110	°C
Back Pressure [5]	0.981 to 2.94	MPa
Screw Speed	60 to 150	rpm

NOTE	
1.	5.0 mm/min
2.	5.0 mm/min
3.	1.3 mm/min
4.	1.3 mm/min
5.	Hydraulic Type

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