Lumid® GP2430B(W)

Polyamide 66

LG Chem Ltd.

Message:

Description
General Purpose
Applications
Automotive(Air Intake Manifold)

General Information			
Filler / Reinforcement	Glass Fiber,43% Filler by Weight		
Features	General Purpose		
Uses	Automotive Applications Automotive Under the Hood		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.50	g/cm³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.30 to 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.60	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Break, 6.40 mm)	216	MPa	ASTM D638
Tensile Elongation [2] (Break, 6.40 mm)	2.0	%	ASTM D638
Flexural Modulus [3] (3.20 mm)	12700	MPa	ASTM D790
Flexural Strength [4] (Yield, 3.20 mm)	30.4	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C, 6.40 mm)	140	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, 6.40 mm	260	°C	
1.8 MPa, Unannealed, 6.40 mm	255	°C	
Peak Melting Temperature	260	°C	ASTM D3418
CLTE - Flow	3.0E-5	cm/cm/°C	ASTM D696
Electrical	**Nominal Value**	**Unit**	**Test Method**
Volume Resistivity (23°C)	1.0E+16	ohms·cm	ASTM D257
Dielectric Strength (23°C, 1.00 mm)	25	kV/mm	ASTM D149
Dielectric Constant (23°C, 1 MHz)	4.00		ASTM D150
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating			UL 94

0.750 mm	HB
1.50 mm	HB
3.00 mm	HB

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	260 to 270	°C
Middle Temperature	270 to 285	°C
Front Temperature	270 to 290	°C
Nozzle Temperature	270 to 295	°C
Processing (Melt) Temp	270 to 295	°C
Mold Temperature	80.0 to 110	°C
Back Pressure [5]	0.981 to 2.94	MPa
Screw Speed	30 to 60	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

Recommended distributors for this material

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