

Lupol® LW4302

Polypropylene

LG Chem Ltd.

Message:

LUPOL LW-4302 is reinforced with combination of glass-fiber and inorganic filler, this product is excellent in dimensional stability and distortion-resistant characteristics. LW-4302 is ideal for relatively long shape products and those demanding dimensional stability.

General Information			
UL YellowCard	E248280-322201	E302314-530069	E67171-248667
Filler / Reinforcement	Glass fiber reinforced material		
Features	Low warpage		
	Fill		
Uses	Parts under the hood of a car		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.30 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	68.6	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	5490	MPa	ASTM D790
Flexural Strength (Yield)	98.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	150	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	70.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Rear Temperature	200 - 220	°C	
Middle Temperature	200 - 230	°C	
Front Temperature	210 - 230	°C	

Nozzle Temperature	210 - 240	°C
Processing (Melt) Temp	210 - 240	°C
Mold Temperature	40.0 - 90.0	°C
Injection Pressure	29.4 - 118	MPa
Back Pressure	0.490 - 3.92	MPa
Screw Speed	40 - 60	rpm

Injection instructions

Injection Pressure, secondary: 800 to 1000 kg/cm²

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Recommended distributors for this material


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