Lupol® HI5302S

Polypropylene

LG Chem Ltd.

Message:

LUPOL HI-5302S is reinforced with combination of glass-fiber and inorganic filler, this product is excellent in dimensional stability and distortion-resistant characteristics. HI-5302S is ideal for relatively long shape products and those demanding dimensional stability.

General Information			
Filler / Reinforcement	Glass Fiber		
Additive	Impact Modifier		
Features	Good Dimensional Stability High Impact Resistance Impact Modified		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.13	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 1.2	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	25.5	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2260	MPa	ASTM D790
Flexural Strength (Yield)	41.2	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	69	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.0	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	
Drying Temperature	70.0 to 90.0	°C	
Drying Time	2.0 to 3.0	hr	
Rear Temperature	200 to 220	°C	
Middle Temperature	200 to 230	°C	
Front Temperature	210 to 230	°C	
Nozzle Temperature	210 to 240	°C	
Melt Temperature (Aim)	210	°C	
Mold Temperature	40.0 to 90.0	°C	
Injection Pressure	29.4 to 118	MPa	

Holding Pressure	78.5 to 98.1	MPa
Back Pressure	0.490 to 3.92	MPa
Screw Speed	40 to 60	rpm

Recommended distributors for this material

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