Lupol® HI5302R

Polypropylene

LG Chem Ltd.

Message:

Lupol®HI5302R is a polypropylene material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is injection molding.
Lupol®The typical application fields of HI5302R are: automobile industry

General Information			
Uses	Application in Automobile Field Car interior parts		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.12	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	21	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 - 1.2	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	22.6	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength (Yield)	34.3	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	69	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (1.8 MPa, Unannealed)	84.0	°C	ASTM D648
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0 - 100	°C	
Drying Time	3.0 - 4.0	hr	
Hopper Temperature	50.0 - 58.0	°C	
Rear Temperature	190 - 210	°C	
Middle Temperature	208 - 222	°C	
Front Temperature	211 - 228	°C	
Nozzle Temperature	205 - 220	°C	
Mold Temperature	50.0 - 58.0	°C	
Injection Pressure	2.94 - 11.8	MPa	
Injection Rate	Fast		
Back Pressure	1.47 - 5.88	MPa	

Screw Speed	40 - 60	rpm

Injection instructions

Secondary Injection Pressure: 20 to 100 kg/cm²

Recommended distributors for this material

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