

Lupol® TE5104

Compounded Polypropylene

LG Chem Ltd.

Message:

Description

High Impact, Good Weatherability

Application

Automotive Exterior(Bumper Fascia , Rear Bumper Step)

General Information			
Filler / Reinforcement	Mineral		
Additive	Rubber Impact Modifier		
Features	Good Impact Resistance		
	Good Weather Resistance		
Uses	Automotive Exterior Parts		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.20 mm)	0.90 to 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	17.7	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	200	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	1270	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 6.40 mm)	24.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 6.40 mm	62	J/m	
23°C, 6.40 mm	460	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load ⁵ (0.45 MPa, Unannealed, 6.40 mm)	115	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	70.0 to 80.0	°C	
Drying Time	3.0 to 4.0	hr	
Suggested Max Moisture	< 0.010	%	
Rear Temperature	190 to 210	°C	
Middle Temperature	200 to 230	°C	
Front Temperature	200 to 230	°C	
Nozzle Temperature	210 to 230	°C	

Processing (Melt) Temp	200 to 230	°C
Mold Temperature	40.0 to 60.0	°C
Back Pressure	29.4 to 58.8	MPa
Screw Speed	30 to 60	rpm

NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	10 mm/min	
4.	10 mm/min	
5.	4.6kg	

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