

Lupox® TE5000SZ

Polycarbonate + PBT

LG Chem Ltd.

Message:

Lupox®TE5000SZ is a polycarbonate polybutene terephthalate (PC PBT) material. This product is available in North America, Latin America, Europe or Asia Pacific. The processing method is injection molding.

Lupox®The main features of the TE5000SZ are:

Good dimensional stability

Impact resistance

Lupox®The typical application fields of TE5000SZ are: automobile industry

General Information			
Features	Good dimensional stability Impact resistance, high		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.70 - 1.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm)	58.8	MPa	ASTM D638
Tensile Elongation ² (Break, 3.20 mm)	> 100	%	ASTM D638
Flexural Modulus ³ (6.40 mm)	2350	MPa	ASTM D790
Flexural Strength ⁴ (Yield, 6.40 mm)	88.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 6.40 mm	150	J/m	ASTM D256
23°C, 6.40 mm	540	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	115	°C	ASTM D648
Peak Melting Temperature	225	°C	ASTM D3418
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	4.0 - 5.0	hr	
Rear Temperature	250 - 260	°C	
Middle Temperature	250 - 260	°C	
Front Temperature	255 - 265	°C	
Nozzle Temperature	260 - 270	°C	
Processing (Melt) Temp	260 - 270	°C	
Mold Temperature	60.0 - 80.0	°C	

Injection instructions

Minimum Moisture Content: 0.02%

NOTE

1.	50 mm/min
2.	50 mm/min
3.	2.5 mm/min
4.	2.5 mm/min

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