

LIHAN® I706

Polyether Imide

Nanjing Lihan Chemical Co., Ltd.

Message:

Glass fiber reinforced Polyetherimide

Pamphlet: The polyetherimide has high mechanical strength and excellent heat resistance. The relative thermal index (RTI) for 30wt% glass fiber reinforced PEI material has reached 180°C. The material can be used to automotive parts, fasters around automobile engines and high current circuit breaker.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	High Heat Resistance		
	High Strength		
Uses	Automotive Applications		
	Electrical Parts		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.50	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.60	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	160	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	9000	MPa	ISO 178
Flexural Stress	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	9.0	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	325	°C	ISO 75-2/B
1.8 MPa, Unannealed	290	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Comparative Tracking Index	450	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Injection	Nominal Value	Unit	

Processing (Melt) Temp	360 to 410	°C
Mold Temperature	> 130	°C

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Recommended distributors for this material

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