

LIHAN® A706SH

Polyamide 66

Nanjing Lihan Chemical Co., Ltd.

Message:

Glass fiber reinforced PA66 with hydrolyzing resistance

Pamphlet: The special material has good mechanical properties and the flexural strength reaches 100MPa even after eroding at 135°C in 100% glycol solution for 48 hours. The material accords with the standard of the automobile water tank and can be used to produce automobile water tank and its accessory.

General Information				
Filler / Reinforcement	Glass Fiber			
Features	Hydrolysis Resistant			
Uses	Automotive Applications			
	Tanks			
Forms	Pellets			
Processing Method	Injection Molding			
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Molding Shrinkage	0.20 to 0.60	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	120	--		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	180	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	--	%	ISO 527-2
Flexural Modulus	9000	--	MPa	ISO 178
Flexural Stress				ISO 178
-- ¹	105	--	MPa	
--	250	--	MPa	
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength	12	--	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	255	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	250	--	°C	ISO 75-2/A
Melting Temperature	260	--	°C	DSC
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+12	1.0E+10	ohms	ASTM D257

Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating	HB	--		UL 94
Injection	Dry	Unit		
Processing (Melt) Temp	270 to 300		°C	
Mold Temperature	80.0 to 120		°C	
NOTE				

1. 100% Glycol Solution,
135°C, 48 Hours

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Recommended distributors for this material

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