

LIHAN® A9705

Polyamide 66

Nanjing Lihan Chemical Co., Ltd.

Message:

High CTI value, halogen free flame—retardant glass fiber reinforced PA66

Pamphlet: A remarkable characteristics of the material is that the comparative tracking index(CTI) has reached 600. Also, the material has good flame resistance, high mechanical properties and low erosion to silver and/or copper electrode at high temperature. The materials are mostly used to produce low voltage switch, breaker and relay etc.

General Information				
UL YellowCard		E182725-226879		
Filler / Reinforcement		Glass Fiber		
Features		Flame Retardant		
		Halogen Free		
Uses		Electrical Parts		
		Switches		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.36	--	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.70	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	118	--		ISO 2039-2
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Stress (Break)	120	--	MPa	ISO 527-2
Tensile Strain (Break)	3.0	--	%	ISO 527-2
Flexural Modulus	7200	--	MPa	ISO 178
Flexural Stress	180	--	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact Strength	20	--	kJ/m ²	ISO 180
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	250	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	240	--	°C	ISO 75-2/A
Melting Temperature	260	--	°C	DSC
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+10	ohms	ASTM D257

Comparative Tracking Index	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.59 mm)	V-0	--		UL 94
Injection	Dry	Unit		
Processing (Melt) Temp	260 to 280		°C	
Mold Temperature	70.0 to 90.0		°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

