

NEALID XG390

Polyamide + Polyolefin

AD majoris

Message:

NEALID XG390 is a glass fibre reinforced polyamide alloy intended for Injection moulding.

APPLICATIONS

NEALID XG390 has been developed especially for very demanding applications in automotive industry and electrical parts.

Products requiring excellent combination between thermal and mechanical properties.

NEALID XG390 is available in both natural (NEALID XG390) and black (NEALID XG390-8229) but other colours can be provided on request.

General Information				
Filler / Reinforcement		Glass Fiber		
Features		Recyclable Material		
Uses		Automotive Applications		
		Electrical Parts		
Appearance		Black		
		Colors Available		
		Natural Color		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.33	--	g/cm ³	ISO 1183
Molding Shrinkage	0.30 to 0.70	--	%	
Water Absorption (Equilibrium, 23°C, 50% RH)	0.90	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	9200	8750	MPa	ISO 527-2
Tensile Stress (Break)	130	114	MPa	ISO 527-2
Tensile Strain (Break)	2.0	4.0	%	ISO 527-2
Flexural Modulus	8050	7780	MPa	ISO 178
Flexural Stress	190	175	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength	15	17	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength	43	47	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	245	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	228	--	°C	ISO 75-2/A

Melting Temperature (DSC)	220	--	°C	ISO 3146
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+15	1.0E+15	ohms	DIN 53482
Volume Resistivity	1.0E+15	1.0E+15	ohms·cm	DIN 53482
Comparative Tracking Index (Solution A)	600	--	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	HB	--		UL 94
Glow Wire Flammability Index (2.00 mm)	650	--	°C	IEC 60695-2-12
Injection	Dry	Unit		
Drying Temperature	90.0		°C	
Drying Time	4.0		hr	
Rear Temperature	245 to 270		°C	
Middle Temperature	250 to 280		°C	
Front Temperature	245 to 270		°C	
Nozzle Temperature	245 to 275		°C	
Mold Temperature	60.0 to 100		°C	
Injection Pressure	85.0 to 110		MPa	
Injection Rate	Fast			
Holding Pressure	50.0 to 70.0		MPa	
Screw L/D Ratio	15.0:1.0 to 20.0:1.0			

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

