

ESTOPLAST XU 245NN01

Polyamide 6
Ester Industries Ltd.

Message:

Polyamide 6 - Glass Fiber Reinforced, 45%
Automotive: Fuel Circuit Parts, Intake manifold, Electrical components and connectors
Electrical & Electronic: MCB, RCCB, Rotor Switch, Relay, Inverter Part

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 45% filler by weight		
Additive	demoulding		
Features	Good demoulding performance		
Uses	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	6.0	%	ISO 62
Equilibrium, 23°C, 50% RH	0.95	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	195	MPa	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Strength	270	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	300	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	222	°C	ASTM D648
1.8 MPa, not annealed	207	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+13	ohms · cm	ASTM D257
Dielectric Strength (2.00 mm)	27	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	85 - 90	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	230 - 240	°C
Middle Temperature	235 - 255	°C
Nozzle Temperature	235 - 260	°C
Processing (Melt) Temp	240 - 265	°C
Mold Temperature	55 - 80	°C

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



WECHAT