

ESTOPLAST XU 215BB10

Polyamide 6

Ester Industries Ltd.

Message:

Polyamide 6 - Glass Fiber Reinforced, 15%

Automotive: Connectors, Lighting Parts like Head/Tail Lamp, Wheel Cover and Housings

Electrical & Electronic: MCB, RCCB, Housings and Bobbins

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Additive	demoulding		
Features	Good demoulding performance		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
	Shell		
	spool		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.24	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	4.5	%	ISO 62
Equilibrium, 23°C, 50% RH	0.95	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	91.0	MPa	ASTM D638
Tensile Elongation (Break)	3.2	%	ASTM D638
Flexural Strength	155	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	45	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	215	°C	ASTM D648
1.8 MPa, not annealed	205	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+12	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

