

ESTOPLAST XU 6230BB11

Polyamide 66

Ester Industries Ltd.

Message:

Polyamide 66 - Glass Fiber Reinforced, 30%

Automotive: Fuel Circuit Part, Housing, Electric Motor Part, Exterior trim, Interior trim and Electrical components

Electrical & Electronic: Low voltage switch gear/power distribution, Power connectors , MCB, RCCB

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	demoulding		
Features	Good demoulding performance		
Uses	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
	Car interior equipment		
	Car exterior decoration		
	Shell		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.36	g/cm³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	4.5	%	ISO 62
Equilibrium, 23°C, 50% RH	1.3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	165	MPa	ASTM D638
Tensile Elongation (Break)	3.2	%	ASTM D638
Flexural Strength	250	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	65	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	230	°C	ASTM D648
1.8 MPa, not annealed	220	°C	ASTM D648
Flammability	Nominal Value		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	275 - 285	°C
Middle Temperature	285 - 295	°C
Nozzle Temperature	270 - 280	°C
Processing (Melt) Temp	275 - 285	°C
Mold Temperature	55 - 80	°C

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Recommended distributors for this material

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