

ESTOPLAST XU 6250BB01

Polyamide 66

Ester Industries Ltd.

Message:

Polyamide 66 - Glass Fiber Reinforced, 50%

Automotive: Intake manifold, Powertrain, Interior trim, Electrical components and connectors

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

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Additive	demoulding		
Features	Good demoulding performance		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
	Car interior equipment		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	1.5	%	ISO 62
Equilibrium, 23°C, 50% RH	0.70	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	200	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Strength	330	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	110	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	950	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	250	°C	ASTM D648
1.8 MPa, not annealed	235	°C	ASTM D648
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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