

ESTOPLAST XU 6425BB01

Polyamide 66

Ester Industries Ltd.

Message:

Polyamide 66 - Flame Retardant, Glass Reinforcement, 25%

Automotive: Intake manifold, Engine, Engine cover, Powertrain, Airbag container, Electrical components and connectors

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

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Additive	demoulding		
	Flame retardancy		
Features	Good demoulding performance		
	Flame retardancy		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.59	g/cm ³	ASTM D792
Water Absorption (Equilibrium, 23°C, 50% RH)	0.90	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	140	MPa	ASTM D638
Tensile Elongation (Break)	2.5	%	ASTM D638
Flexural Strength	210	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 (1.8 MPa, Unannealed)	250	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
0.8 mm	V-0	UL 94	
1.5 mm	V-0	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	65 - 80	°C

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Recommended distributors for this material

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