

ESTOPLAST XU 6430GY78

Polyamide 66
Ester Industries Ltd.

Message:

Polyamide 66 - Flame Retardant, Glass Fiber Reinforcement, 30%
Automotive: Intake manifold, Engine, Powertrain, Electrical components and connectors
Electrical & Electronic: Low voltage switch gear/power distribution, Lighting, Power connectors , MCCB,

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	demoulding		
	Flame retardancy		
Features	Good demoulding performance		
	Flame retardancy		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.57	g/cm³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	1.2	%	ISO 62
Equilibrium, 23°C, 50% RH	2.5	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	115	MPa	ASTM D638
Tensile Elongation (Break)	3.4	%	ASTM D638
Flexural Strength	170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	30	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	350	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	225	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method

Glow Wire Flammability Index (1.2 mm)	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	85 - 90	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	270 - 285	°C	
Middle Temperature	280 - 295	°C	
Nozzle Temperature	280 - 290	°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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