

ESTOPLAST XU 6430NGY144

Polyamide 66
Ester Industries Ltd.

Message:

Polyamide 66 -Flame retardant, Glass Fiber Reinforcement, 30%
Automotive: Intake manifold, Interior parts
Electrical & Electronic: Low voltage switch gear/power distribution, Power connectors , MCCB,

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	demoulding		
	Flame retardancy		
Features	Halogenated		
	Good demoulding performance		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
	Car interior parts		
RoHS Compliance	RoHS compliance		
Appearance	Grey		
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	4.0	%	ISO 62
Equilibrium, 23°C, 50% RH	1.2	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	130	MPa	ASTM D638
Tensile Elongation (Break)	3.2	%	ASTM D638
Flexural Strength	200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	500	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	255	°C	ASTM D648

1.8 MPa, not annealed	250	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (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	55 - 80	°C	

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Recommended distributors for this material

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