

ESTOPLAST XU 6340GY64

Polyamide 66

Ester Industries Ltd.

Message:

Polyamide 66 - Mineral and Glass Fiber Reinforcement, 40%

Automotive: Intake manifold, Engine, Powertrain, Airbag containers, Exterior trim, Interior trim, Electrical components and connectors

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

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Additive	demoulding		
Features	Good demoulding performance		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
	Car interior equipment		
	Car exterior decoration		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.47	g/cm³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	4.5	%	ISO 62
Equilibrium, 23°C, 50% RH	1.6	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	100	MPa	ASTM D638
Tensile Elongation (Break)	2.7	%	ASTM D638
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	50	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	450	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	240	°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	70 - 80	°C

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