

# ESTOPLAST XU 6250GY01

Polyamide 66

Ester Industries Ltd.

## Message:

Polyamide 66 - Glass Fiber Reinforced, 50%

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

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

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		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.58	g/cm <sup>3</sup>	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)	210	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	ASTM D638
Flexural Strength	350	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256A
Unnotched Izod Impact (23°C)	1100	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	245	°C	ASTM D648
Injection	Nominal Value	Unit	Test Method
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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