

# ESTOPLAST XU 6730NN93

Polyamide 66

Ester Industries Ltd.

## Message:

Polyamide 66 - Glass Fiber and Glass beads Reinforcement, 30%

Automotive: Suspension part, Exterior trim, Interior trim, Electrical components and connectors

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

General Information			
Filler / Reinforcement	Glass Beads \Glass Fiber, 30% 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	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Water Absorption (Saturation, 23°C)	5.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	140	MPa	ASTM D638
Tensile Elongation (Break)	3.5	%	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			ASTM D648
0.45 MPa, not annealed	255	°C	ASTM D648
1.8 MPa, not annealed	248	°C	ASTM D648
Flammability	Nominal Value	Test Method	
Flame Rating (1.5 mm)	HB	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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