

ESTOPLAST XU 64151NN01

Polyamide 66
Ester Industries Ltd.

Message:

Polyamide 66 - 15% Glass Filled, Flame retardant, Natural

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

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% filler by weight		
Additive	demoulding		
	Flame retardancy		
Features	Phosphorus content, low (to none)		
	Good demoulding performance		
	Halogen-free		
	Flame retardancy		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Connector		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	5.0	%	ISO 62
Equilibrium, 23°C, 50% RH	1.7	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	3.1	%	ASTM D638
Flexural Strength	112	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	45	J/m	ASTM D256
Unnotched Izod Impact	260	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	Unit	Test Method
Flame Rating			UL 94
0.75 mm	V-2		UL 94
1.5 mm	V-2		UL 94
Glow Wire Flammability Index			IEC 60695-2-12
1.2 mm	960	°C	IEC 60695-2-12
3.0 mm	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	80 - 85	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	255 - 265	°C	
Middle Temperature	275 - 285	°C	
Nozzle Temperature	280 - 290	°C	
Processing (Melt) Temp	275 - 285	°C	
Mold Temperature	60 - 80	°C	

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Recommended distributors for this material

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