

ESTOPLAST XU 6315GY01

Polyamide 66
Ester Industries Ltd.

Message:

Polyamide 66 - Mineral Filled, 15%
Automotive: Wheel cover, Exterior trim, interior trim, Electrical components and connectors
Electrical & Electronic: Low voltage switch gear/power distribution, Lighting, Power connectors ,

General Information			
Filler / Reinforcement	Mineral filler, 15% filler by weight		
Additive	demoulding		
Features	High Dimensional Stability		
	Good demoulding performance		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
	Car interior equipment		
	Car exterior decoration		
RoHS Compliance	RoHS compliance		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	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)	73.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Strength	105	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	75	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	235	°C	ASTM D648
1.8 MPa, not annealed	70.0	°C	ASTM D648
Injection	Nominal Value	Unit	

Drying Temperature	85 - 90	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	270 - 280	°C
Middle Temperature	280 - 290	°C
Nozzle Temperature	275 - 285	°C
Processing (Melt) Temp	275 - 285	°C
Mold Temperature	55 - 80	°C

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