

# ESTOPLAST XU 6100BB02

Polyamide 66

Ester Industries Ltd.

## Message:

Polyamide 66 - Unfilled

Automotive: Intake manifold, Powertrain, Electrical components and connectors

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

General Information			
Additive	demoulding		
Features	Good demoulding performance		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Connector		
	Application in Automobile Field		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	1.5	%	ISO 62
Equilibrium, 23°C, 50% RH	2.8	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	73.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Strength	115	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	65	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	205	°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 - 285	°C	
Middle Temperature	280 - 295	°C	
Nozzle Temperature	280 - 290	°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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