

ESTOPLAST XU 6800NN01

Polyamide 66
Ester Industries Ltd.

Message:

Polyamide 66 - PTFE Filled grade
Automotive: Gear parts, Bushes, mechanical parts
Electrical & Electronic: Mechanical parts

General Information			
Additive	PTFE lubricant demoulding		
Features	Low friction coefficient Good wear resistance Lubrication Good demoulding performance		
Uses	Bushing Electrical/Electronic Applications Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/1.2 kg)	40	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	65.0	MPa	ASTM D638
Tensile Elongation (Break)	20	%	ASTM D638
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	70.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.5 mm)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	85 - 90	°C	

Drying Time	3.0 - 4.0	hr
Rear Temperature	260 - 270	°C
Middle Temperature	280 - 290	°C
Nozzle Temperature	275 - 285	°C
Processing (Melt) Temp	275 - 285	°C
Mold Temperature	60 - 80	°C

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