

ESTOPLAST XU 4001GY75

Polyamide 6
Ester Industries Ltd.

Message:

Polyamide 6 - Flame Retardant, unfilled
Automotive: Interior Parts, Rotor Switch, and Sensor
Electrical & Electronic: Housings, Electrical Enclosure, Switch Parts and Fuse Box

General Information			
Additive	demoulding		
	Flame retardancy		
Features	Phosphorus content, low (to none)		
	Good demoulding performance		
	Halogen-free		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
	Switch		
	Application in Automobile Field		
	Car interior parts		
	Shell		
RoHS Compliance	RoHS compliance		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	7.0	%	ASTM D638
Flexural Strength	110	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+13	ohms · cm	ASTM D257
Dielectric Strength (2.00 mm)	27	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	

Drying Temperature	85 - 90	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	230 - 240	°C
Middle Temperature	235 - 255	°C
Nozzle Temperature	235 - 260	°C
Processing (Melt) Temp	240 - 265	°C
Mold Temperature	55 - 80	°C

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

