

ESTOPLAST XU 4201GY41

Polyamide 6

Ester Industries Ltd.

Message:

Polyamide 6 - Glass Fiber Reinforcement, 20%

Automotive: Electrical components and connectors

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

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% 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		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	5.5	%	ISO 62
Equilibrium, 23°C, 50% RH	0.95	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	70.0	MPa	ASTM D638
Tensile Elongation (Break)	3.3	%	ASTM D638
Flexural Strength	140	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			ASTM D648
0.45 MPa, not annealed	205	°C	ASTM D648

1.8 MPa, not annealed	165	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (2.00 mm)	25	kV/mm	ASTM D149
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
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 - 90	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	235 - 245	°C	
Middle Temperature	245 - 255	°C	
Nozzle Temperature	240 - 250	°C	
Processing (Melt) Temp	240 - 250	°C	
Mold Temperature	60 - 80	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

