

ESTOPLAST XU 318GY01

Polyamide 6
Ester Industries Ltd.

Message:

Polyamide 6 - Mineral Filled, 18%
Automotive: Lighting Parts including Head lamp/Tail lamp, Interior Parts
Electrical & Electronic: Switch Parts, Lighting, Power connectors

General Information			
Filler / Reinforcement	Mineral filler, 18% filler by weight		
Additive	demoulding		
Features	High Dimensional Stability		
	Good demoulding performance		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Switch		
	Connector		
	Application in Automobile Field		
	Car interior parts		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	6.0	%	ISO 62
Equilibrium, 23°C, 50% RH	0.95	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	55.0	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	55	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	214	°C	ASTM D648
1.8 MPa, not annealed	200	°C	ASTM D648
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
Flame Rating (1.5 mm)	HB		UL 94
Glow Wire Flammability Index	650	°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	

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

