ESTOPLAST XU 43251GY35

Polyamide 6

Ester Industries Ltd.

Message:

Polyamide 6 - Flame Retardant, Mineral and Glass Fiber Reinforced, 25%
Automotive: Intake manifold, Engine, Powertrain, Airbag containers, Exterior trim, Interior trim, Electrical components and connectors
Electrical & Electronic: Low voltage switch gear/power distribution, Lighting, Power connectors , MCCB,

General Information			
Filler / Reinforcement	Glass \mineral, 25% 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 Car interior equipment Car exterior decoration		
Appearance	Grey		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.38	g/cm³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	5.0	%	ISO 62
Equilibrium, 23°C, 50% RH	0.95	%	ISO 62
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	2.6	%	ASTM D638
Flexural Strength	110	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	35	J/m	ASTM D256A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648

0.45 MPa, not annealed	200	°C	ASTM D648
1.8 MPa, not annealed	185	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength (2.00 mm)	22	kV/mm	ASTM D149
Comparative Tracking Index	600	V	IEC 60112
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	235 - 245	°C	
Middle Temperature	235 - 255	°C	
Nozzle Temperature	235 - 260	°C	
Processing (Melt) Temp	235 - 250	°C	
Mold Temperature	55 - 80	°C	

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Recommended distributors for this material

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