

ESTOPLAST ZK 6230NN02

Polycarbonate
Ester Industries Ltd.

Message:
Polycarbonate 30% Glass Filled , Natural
Textile Machinery Parts, Electric Motor/ Pump Parts, Plug & Socket for Railway

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	demoulding		
Features	Good demoulding performance		
Uses	Pump parts		
	Plug		
	Electrical/Electronic Applications		
	Machine/mechanical parts		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.41	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	6.0	g/10 min	ASTM D1238
Water Absorption			ISO 62
Saturated, 23°C	0.30	%	ISO 62
Equilibrium, 23°C, 50% RH	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	135	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Strength	210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	140	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	160	°C	ASTM D648
1.8 MPa, not annealed	150	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms · cm	ASTM D257
Dielectric Strength (2.00 mm)	15	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.5 mm)	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	270 - 280	°C
Middle Temperature	290 - 300	°C
Nozzle Temperature	290 - 300	°C
Processing (Melt) Temp	285 - 295	°C
Mold Temperature	70 - 90	°C

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Recommended distributors for this material

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