

ESTOPLAST ZK 6430NN01

Polycarbonate
Ester Industries Ltd.

Message:
Polycarbonate - 30% Glass filled, Flame Retardant, Natural
Electrical & Electronic components

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	demoulding		
	Flame retardancy		
Features	Good UV resistance		
	Good demoulding performance		
	Flame retardancy		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.45	g/cm ³	ASTM D792
Water Absorption			ISO 62
Saturated, 23°C	0.40	%	ISO 62
Equilibrium, 23°C, 50% RH	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	130	MPa	ASTM D638
Flexural Strength	210	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	145	°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)	V-0		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	285 - 295	°C
Processing (Melt) Temp	290 - 300	°C
Mold Temperature	75 - 100	°C

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Recommended distributors for this material

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