

ESTOPLAST ZK 6415BB01

Polycarbonate

Ester Industries Ltd.

Message:

Polycarbonate - 15% Glass filled, Flame Retardant , Black
Electrical & Electronic : Energy meter Parts

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 15% 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	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	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)	85.0	MPa	ASTM D638
Flexural Strength	120	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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (3.2 mm)	V-2		UL 94
Glow Wire Flammability Index	960	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	270 - 280	°C	

Middle Temperature	280 - 290	°C
Nozzle Temperature	275 - 285	°C
Processing (Melt) Temp	280 - 290	°C
Mold Temperature	75 - 100	°C

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Recommended distributors for this material

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