

ESTOPLAST ZK 6002BB02

Polycarbonate
Ester Industries Ltd.

Message:
Polycarbonate - Unfilled , Black
Electrical & Electronic: Energy meter Parts

General Information			
Additive	demoulding		
	UV stabilizer		
Features	UV Stabilized		
	High liquidity		
	Good demoulding performance		
Uses	Electrical/Electronic Applications		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	20	g/10 min	ASTM D1238
Water Absorption			ISO 62
Saturated, 23°C	0.35	%	ISO 62
Equilibrium, 23°C, 50% RH	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	55.0	MPa	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Strength	95.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	380	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	135	°C	ASTM D648
1.8 MPa, not annealed	125	°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
Glow Wire Flammability Index (1.2 mm)	650	°C	IEC 60695-2-12
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	265 - 275	°C	
Middle Temperature	285 - 295	°C	
Nozzle Temperature	280 - 290	°C	
Processing (Melt) Temp	280 - 290	°C	
Mold Temperature	60 - 80	°C	

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