

ESTOPLAST ZK 6400WW31

Polycarbonate
Ester Industries Ltd.

Message:
Polycarbonate - Unfilled, Flame Retardant ,White
Electrical & Electronic: Switches, Lighting and Light Shielding

General Information			
Additive	Flame retardancy		
Features	Good UV resistance		
	Flame retardancy		
Uses	Lighting Applications		
	Electrical/Electronic Applications		
	Switch		
RoHS Compliance	RoHS compliance		
Appearance	White		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.21	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	23	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 (Yield)	64.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Strength	95.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	600	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	140	°C	ASTM D648
1.8 MPa, not annealed	130	°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	265 - 275	°C
Middle Temperature	280 - 290	°C
Nozzle Temperature	275 - 285	°C
Processing (Melt) Temp	280 - 290	°C
Mold Temperature	60 - 80	°C

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