

ESTOPLAST ZK 6002GN01

Polycarbonate
Ester Industries Ltd.

Message:
Polycarbonate - Unfilled, Green
Automotive: Automotive Applications - Interior Parts
Electrical & Electronic: Switches

General Information			
Additive	demoulding		
Features	Good demoulding performance		
Uses	Electrical/Electronic Applications		
	Switch		
	Application in Automobile Field		
	Car interior parts		
RoHS Compliance	RoHS compliance		
Appearance	Green		
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	0.30	%	ISO 62
Equilibrium, 23°C, 50% RH	0.15	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	60.0	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	550	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 (3.2 mm)	V-2		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	285 - 295	°C
Processing (Melt) Temp	280 - 290	°C
Mold Temperature	60 - 80	°C

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