

ESTOPLAST ZK 6002NN04

Polycarbonate
Ester Industries Ltd.

Message:

Polycarbonate - Unfilled, Translucent
Automotive: Interior Parts
Electrical & Electronic: CFL/LED/Tubelight Accessories

General Information			
Additive	demoulding		
	UV stabilizer		
Features	High Light Diffusion		
	UV Stabilized		
	Good demoulding performance		
Uses	LEDs		
	Lighting Applications		
	Electrical/Electronic Applications		
	Application in Automobile Field		
	Car interior parts		
RoHS Compliance	RoHS compliance		
Appearance	Translucent		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	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)	65.0	MPa	ASTM D638
Tensile Elongation (Break)	> 50	%	ASTM D638
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, not annealed	130	°C	ASTM D648
1.8 MPa, not annealed	120	°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	285 - 295	°C	
Nozzle Temperature	280 - 290	°C	
Processing (Melt) Temp	280 - 290	°C	
Mold Temperature	60 - 80	°C	

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