

ESTOPLAST ZK 7515NN02

Polycarbonate + PBT
Ester Industries Ltd.

Message:

Polycarbonate-Polybutylene Terephthalate - Unfilled
Automotive: Automotive Applications - Interior and Exterior Parts

General Information			
Additive	demoulding		
Features	Impact resistance, high		
	Good demoulding performance		
Uses	Application in Automobile Field		
	Car interior parts		
	Automotive exterior parts		
RoHS Compliance	RoHS compliance		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	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 (Yield)	45.0	MPa	ASTM D638
Tensile Elongation (Break)	50	%	ASTM D638
Flexural Strength	65.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	700	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	135	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+15	ohms · cm	ASTM D257
Dielectric Strength (2.00 mm)	15	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94

1.5 mm	HB	UL 94
3.0 mm	HB	UL 94
Injection	Nominal Value	Unit
Drying Temperature	100 - 110	°C
Drying Time	3.0 - 4.0	hr
Rear Temperature	255 - 265	°C
Middle Temperature	265 - 275	°C
Nozzle Temperature	265 - 275	°C
Processing (Melt) Temp	260 - 270	°C
Mold Temperature	55 - 75	°C

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