

ESTOPLAST ZK 8505BB03

Polycarbonate + ABS

Ester Industries Ltd.

Message:

Polycarbonate-Acrylonitrile Butadiene Styrene, Unfilled, Black

Automotive Applications: Instrument Cluster Parts, Connectors, Wheel Cover, Hub cap, Garnish

Electrical & Electronics and Appliance components

General Information			
Additive	demoulding		
	UV stabilizer		
Features	UV Stabilized		
	Impact resistance, good		
	Good liquidity		
	Good demoulding performance		
Uses	Electrical/Electronic Applications		
	Home appliance components		
	Connector		
	Application in Automobile Field		
	Car dashboard		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	25	g/10 min	ASTM D1238
shrinkage-Flow	0.60 - 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2300	MPa	ASTM D638
Tensile Strength (Yield)	55.0	MPa	ASTM D638
Tensile Elongation (Break)	30	%	ASTM D638
Flexural Strength	90.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	480	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	125	°C	ASTM D648

1.8 MPa, not annealed	110	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	350	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	80 - 100	°C	
Drying Time	3.0 - 4.0	hr	
Rear Temperature	250 - 265	°C	
Middle Temperature	260 - 270	°C	
Nozzle Temperature	265 - 275	°C	
Processing (Melt) Temp	260 - 270	°C	
Mold Temperature	60 - 90	°C	

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