

ESTOPLAST ZK 8505GY46

Polycarbonate + ABS

Ester Industries Ltd.

Message:

Polycarbonate-Acrylonitrile Butadiene Styrene, Unfilled, Grey

Automotive Applications: Internal Cluster Parts

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		
	Application in Automobile Field		
RoHS Compliance	RoHS compliance		
Appearance	Grey		
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)	15	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)	25	%	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	120	°C	ASTM D648
1.8 MPa, not annealed	110	°C	ASTM D648
Flammability	Nominal Value	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 - 260	°C
Middle Temperature	265 - 275	°C
Nozzle Temperature	270 - 280	°C
Processing (Melt) Temp	265 - 275	°C
Mold Temperature	60 - 90	°C

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