

DESOX™ DSC640G10

Polybutylene Terephthalate + PET

DESCO Co., Ltd.

Message:

Descriptions: DESOX™ DSC640G10 is one PBT(Poly Butylene Terephthalate) & PET(Poly Etylene Terephthalate) alloy with Glass Fiber 50% reinforced goods. It provides good electric property and mechanical strength.

Applications: DESOX™ DSC640G10 is one of the most-used resin for automotive mirror body products which request good mechanical property and surface appearance.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 50% filler by weight		
Features	Good electrical performance		
	Good strength		
	Excellent appearance		
Uses	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.73	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.40	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	123		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	162	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	14700	MPa	ASTM D790
Flexural Strength	255	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	98	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	230	°C	ASTM D648
1.8 MPa, not annealed	210	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 120	°C	
Drying Time	2.0 - 5.0	hr	
Suggested Max Moisture	< 0.20	%	
Rear Temperature	250 - 260	°C	
Middle Temperature	260 - 270	°C	

Front Temperature	260 - 270	°C
Nozzle Temperature	260 - 270	°C
Processing (Melt) Temp	260 - 270	°C
Mold Temperature	50.0 - 100	°C

Injection instructions

Speed: 40 to 70%Pressure 1st: 30 to 60%Pressure 2nd: 30 to 60Holding Pressure: 10 to 20%

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Recommended distributors for this material


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