

DESOX™ DSC402SG2

Polybutylene Terephthalate

DESCO Co., Ltd.

Message:

Descriptions: DESOX™ DSC402SG2 is one of the brands which made by PBT(Poly Butylene Terephthalate) that is filled Glass Fiber & impact resistance substance and reinforced goods. It provides good electric property and mechanical property.

Applications: DESOX™ DSC402SG2 is one of the most-used resin requested for electric property and hinge property goods, such as parts of connector, etc.

General Information			
Filler / Reinforcement	Glass fiber reinforced material		
Additive	Impact modifier		
Features	Impact modification		
	Good electrical performance		
Uses	Electrical components		
	Connector		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.30	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 - 0.60	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	68.6	MPa	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	2940	MPa	ASTM D790
Flexural Strength	118	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	69	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	200	°C	ASTM D648
1.8 MPa, not annealed	190	°C	ASTM D648
Melting Temperature	222	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 140	°C	
Drying Time	2.0 - 5.0	hr	

Suggested Max Moisture	< 0.20	%
Rear Temperature	240 - 250	°C
Middle Temperature	240 - 255	°C
Front Temperature	240 - 260	°C
Nozzle Temperature	240 - 260	°C
Processing (Melt) Temp	240 - 260	°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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