

DESLOY™ DSC940D

Polycarbonate + PBT

DESCO Co., Ltd.

Message:

Descriptions: DESLOY™ DSC940D is PC & PBT alloy resin which has an advantage of both resins. It has good mechanical property and impact resistance in low temperature.

Applications: DESLOY™ DSC940D is suitable for lamp bezel and several automotive parts which request good mechanical property and low deformation property.

General Information			
Features	Good dimensional stability		
	Low temperature impact resistance		
Uses	Application in Automobile Field		
	Lighting device		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.70 - 1.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	59.8	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2260	MPa	ASTM D790
Flexural Strength	88.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	110	°C	ASTM D648
1.8 MPa, not annealed	95.0	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	100 - 120	°C	
Drying Time	3.0 - 5.0	hr	
Suggested Max Moisture	< 0.20	%	
Rear Temperature	260 - 270	°C	
Middle Temperature	270 - 280	°C	

Front Temperature	270 - 280	°C
Nozzle Temperature	270 - 280	°C
Processing (Melt) Temp	270 - 280	°C
Mold Temperature	60.0 - 90.0	°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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