

# DESLOY™ DSC892D

Polycarbonate + ABS

DESCO Co., Ltd.

## Message:

Descriptions: DESLOY™ DSC892D is PC & ABS alloy resin which has an advantage of both resins. It has good rigidity and toughness. DESLOY™ DSC892D also has low water absorption and excellent dimensional stability.

Applications: DESLOY™ DSC892D is applied to automotive lamp housing which request good mechanical property ,non-glossy and low deformation property.

General Information			
Features	Good dimensional stability		
	Rigidity, high		
	Good toughness		
	Low or no water absorption		
Uses	Application in Automobile Field		
	Shell		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	63.7	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Flexural Strength	88.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	540	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	85.0	°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	250 - 260	°C
Middle Temperature	260 - 270	°C
Front Temperature	260 - 280	°C
Nozzle Temperature	260 - 280	°C
Processing (Melt) Temp	260 - 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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