

# DESLOY™ DSC891C

Polycarbonate + ABS

DESCO Co., Ltd.

## Message:

Descriptions: DESLOY™ DSC891C is PC & ABS alloy resin which has an advantage of both resins. It has good rigidity and toughness. DESLOY™ DSC891C also has low water absorption and excellent dimensional stability.

Applications: DESLOY™ DSC891C is suitable for automotive parts, in example electronic cover which request good mechanical property and low deformation property.

General Information			
UL YellowCard	E251362-466772		
Features	Good dimensional stability		
	Rigidity, high		
	Good toughness		
	Low or no water absorption		
Uses	Automotive Electronics		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.70	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	56.9	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Flexural Modulus	2260	MPa	ASTM D790
Flexural Strength	78.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	640	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°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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Recommended distributors for this material

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