

# DESLEN™ DSC501M8

Polypropylene

DESCO Co., Ltd.

## Message:

Descriptions: DESLEN™ DSC501M8 is Polypropylene Mineral Filler 40% reinforced resin. It has good rigidity and heat resistance.

Applications: DESLEN™ DSC501M8 is applied to electronic & electrical parts and console box which request good moldability, mechanical property and dimensional property .

General Information			
Filler / Reinforcement	Mineral filler, 40% filler by weight		
Features	Good dimensional stability		
	Rigidity, high		
	Good formability		
	Heat resistance, high		
Uses	Electrical/Electronic Applications		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	1.0 - 1.1	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	33.3	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	4410	MPa	ASTM D790
Flexural Strength	55.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	145	°C	ASTM D648
1.8 MPa, not annealed	105	°C	ASTM D648
Melting Temperature	163	°C	DSC
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 90.0	°C	
Drying Time	2.0 - 3.0	hr	
Suggested Max Moisture	< 0.20	%	
Rear Temperature	190 - 200	°C	

Middle Temperature	200 - 210	°C
Front Temperature	200 - 220	°C
Nozzle Temperature	200 - 220	°C
Processing (Melt) Temp	200 - 220	°C
Mold Temperature	40.0 - 60.0	°C

#### Injection instructions

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

