

# DESTRON™ DSC1701GH5

Polyphthalamide

DESCO Co., Ltd.

## Message:

Descriptions: DESTRON™ DSC1701GH5 is semi-crystalline PPA(Polyphthalamide) Glass fiber 25% reinforced grade. It has great mechanical properties, good dimensional stability and excellent thermal performance.

Applications: DESTRON™ DSC1701GH5 is applicable for automotive industry, electrical items and several industrial equipment like water outlet.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 25% filler by weight		
Features	Semicrystallization		
	Good dimensional stability		
	Thermal stability, good		
Uses	Electrical components		
	Industrial application		
	Application in Automobile Field		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.60 - 0.90	%	
Water Absorption (23°C, 24 hr)	0.30	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	125		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	167	MPa	ASTM D638
Tensile Elongation (Break)	3.2	%	ASTM D638
Flexural Modulus	7650	MPa	ASTM D790
Flexural Strength	255	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	78	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	280	°C	ASTM D648
1.8 MPa, not annealed	240	°C	ASTM D648
Melting Temperature	310	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	120 - 135	°C	

Drying Time	4.0 - 5.0	hr
Rear Temperature	310 - 320	°C
Middle Temperature	315 - 345	°C
Front Temperature	320 - 345	°C
Nozzle Temperature	320 - 345	°C
Processing (Melt) Temp	320 - 345	°C
Mold Temperature	100 - 140	°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

