

Delrin® 570 NC000

ACETAL RESIN

DuPont Performance Polymers

Message:

20% Glass Filled Medium Viscosity Acetal Homopolymer

General Information			
UL YellowCard	E41938-257645		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Mold Release		
Agency Ratings	UL Unspecified Rating		
Forms	Pellets		
Processing Method	Injection Molding		
Multi-Point Data	Shear Stress vs. Shear Rate (ISO 11403-1)		
	Specific Volume vs Temperature (ISO 11403-2)		
	Viscosity vs. Shear Rate (ISO 11403-2)		
Part Marking Code (ISO 11469)	>POM-GF20<		
Resin ID (ISO 1043)	POM-GF20		
Physical	Nominal Value	Unit	Test Method
Density	1.56	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (190°C/2.16 kg)	7.00	cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.2	%	
Flow	1.8	%	
Water Absorption			ISO 62
23°C, 24 hr, 2.00 mm	0.80	%	
Equilibrium, 23°C, 2.00 mm, 50% RH	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4900	MPa	ISO 527-2
Tensile Stress (Break)	53.0	MPa	ISO 527-2
Tensile Strain (Break)	12	%	ISO 527-2
Flexural Modulus	4600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	3.0	kJ/m²	
23°C	3.5	kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	50	kJ/m²	

23°C	54	kJ/m ²	
Notched Izod Impact Strength (23°C)	6.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	165	°C	ISO 75-2/B
1.8 MPa, Unannealed	125	°C	ISO 75-2/A
Vicat Softening Temperature	160	°C	ISO 306/B50
Melting Temperature ¹	178	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	6.0E-5	cm/cm/°C	
Transverse	8.5E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	> 1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms·cm	IEC 60093
Relative Permittivity			IEC 60250
100 Hz	3.90		
1 MHz	3.90		
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate (1.00 mm)	53	mm/min	ISO 3795
Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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



WECHAT