

TARFLON™ NEO GG1920

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
GF reinforced, High impact

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Features	Copolymer		
	High Impact Resistance		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	6.00	cm³/10min	ISO 1133
Spiral Flow	26.0	cm	Internal Method
Molding Shrinkage			Internal Method
Across Flow : 2.00 mm	0.51	%	
Flow : 2.00 mm	0.38	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.090	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ISO 2039-2
M-Scale	70		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	105	MPa	ISO 527-2
Nominal Tensile Strain at Break	3.0	%	ISO 527-2
Flexural Modulus	5300	MPa	ISO 178
Flexural Stress	150	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	18	kJ/m²	
0°C	18	kJ/m²	
23°C	22	kJ/m²	
Notched Izod Impact			ASTM D256
-30°C	170	J/m	
23°C	190	J/m	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature			
0.45 MPa, Unannealed	148	°C	ISO 75-2/B
1.8 MPa, Unannealed	144	°C	ISO 75-2/A
Additional Information	Nominal Value		
ISO Shortname	>PC-GF20<		
Injection	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	5.0 to 8.0	hr	
Rear Temperature	270 to 310	°C	
Middle Temperature	270 to 310	°C	
Front Temperature	270 to 310	°C	
Mold Temperature	80.0 to 120	°C	
NOTE			
1.	24h		

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