

TARFLON™ G1920

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
Basic

General Information			
UL YellowCard	E48268-100915382		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.33	g/cm ³	ISO 1183
Spiral Flow	18.0	cm	Internal Method
Molding Shrinkage			Internal Method
Across Flow : 2.00 mm	0.60	%	
Flow : 2.00 mm	0.20	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.13	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	70		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	110	MPa	ISO 527-2
Nominal Tensile Strain at Break	4.0	%	ISO 527-2
Flexural Modulus	5900	MPa	ISO 178
Flexural Stress	160	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	13	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	145	°C	ISO 75-2/A
CLTE - Flow	2.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	> 1.0E+16	ohms · cm	ASTM D257
Electric Strength	> 22	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	3.15		IEC 60250
Dissipation Factor (1 MHz)	9.0E-3		IEC 60250
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.700 mm)	HB		UL 94
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	260 to 300	°C
Middle Temperature	260 to 300	°C
Front Temperature	260 to 300	°C
Mold Temperature	80.0 to 120	°C

NOTE

1. 24h

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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

