

TARFLON™ NEO VG1950

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:

Weather resistance

General Information			
Features	Copolymer		
	Good Weather Resistance		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	13.0	cm ³ /10min	ISO 1133
Spiral Flow	25.0	cm	Internal Method
Molding Shrinkage	Internal Method		
Across Flow : 2.00 mm	0.60 to 0.80	%	
Flow : 2.00 mm	0.60 to 0.80	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	100	%	ISO 527-2
Flexural Modulus	2100	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	ISO 179		
-30°C	60	kJ/m ²	
23°C	72	kJ/m ²	
Notched Izod Impact	ASTM D256		
-30°C	650	J/m	
0°C	750	J/m	
23°C	800	J/m	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	138	°C	ISO 75-2/B
1.8 MPa, Unannealed	123	°C	ISO 75-2/A
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
Optical	Nominal Value	Unit	Test Method

Transmittance	73.0	%	ISO 13468-1
Additional Information	Nominal Value		
ISO Shortname	>PC<		
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		

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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

