

TARFLON™ NEO PG1940

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
Weather resistance, UL746C: f1, Tracking resistance (Black)

General Information			
Features	Copolymer		
	Good Weather Resistance		
	Tracking Resistant		
UL File Number	E48268		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	8.00	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
Outdoor Suitability (Black)	f1		UL 746C
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	55.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	85	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	85.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	35	kJ/m ²	
0°C	55	kJ/m ²	
23°C	65	kJ/m ²	
Notched Izod Impact			ASTM D256
-30°C	600	J/m	
23°C	750	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	6.5E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value		Test Method
Comparative Tracking Index (CTI)	PLC 2		UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
0.800 mm, BK	V-1		
1.00 mm, BK	V-0		
2.00 mm, BK	5VB		
2.30 mm, BK	5VA		
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		

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