

TARFLON™ NEO ZG1950

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
Flame-retardant V-0, UL746C: f1

General Information			
Features	Copolymer		
	Flame Retardant		
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)	11.0	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
Outdoor Suitability (Black)	f1		UL 746C
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	45	kJ/m ²	
23°C	75	kJ/m ²	
Notched Izod Impact	ASTM D256		
-30°C	600	J/m	
0°C	700	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	8.0E-5	cm/cm/°C	ISO 11359-2

Electrical	Nominal Value	Test Method
Comparative Tracking Index (CTI)	PLC 3	UL 746
Flammability	Nominal Value	Test Method
Flame Rating		UL 94
0.800 mm, All colors except BK	HB	
0.800 mm, BK	V-1	
1.50 mm, All	V-0	
2.00 mm, All	5VB	
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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