

TARFLON™ NEO RC1700

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:

Transparency, High flow

General Information			
Features	Copolymer		
	High Flow		
UL File Number	E48268		
Appearance	Clear/Transparent		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	20.0	cm³/10min	ISO 1133
Spiral Flow	28.0	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
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ISO 2039-2
M-Scale	50		
R-Scale	120		
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	2200	MPa	ISO 178
Flexural Stress	95.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	20	kJ/m²	
0°C	55	kJ/m²	
23°C	60	kJ/m²	
Notched Izod Impact			ASTM D256
-30°C	200	J/m	
0°C	750	J/m	
23°C	800	J/m	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	123	°C	ISO 75-2/A
CLTE - Flow	7.0E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value		Test Method
Flame Rating (0.400 mm)	V-2		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance	89.0	%	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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