

TARFLON™ AC1080

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
Flame retardant agent free, High flow, Flame-retardant 5V

General Information			
UL YellowCard	E48268-594786		
Features	High Flow		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	11.0	cm ³ /10min	ISO 1133
Spiral Flow	30.0	cm	Internal Method
Molding Shrinkage			Internal Method
Across Flow : 2.00 mm	0.50 to 0.70	%	
Flow : 2.00 mm	0.50 to 0.70	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.23	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	90	%	ISO 527-2
Flexural Modulus	2900	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	20	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	117	°C	ISO 75-2/A
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI Str	80.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm	V-0		
2.00 mm	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	260 to 280	°C
Middle Temperature	260 to 280	°C
Front Temperature	260 to 280	°C
Mold Temperature	60.0 to 90.0	°C

NOTE

1. 24h

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