

TARFLON™ AC1030

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
Flame retardant agent free, Flame retardant

General Information			
UL YellowCard	E48268-240371		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	27.0	cm ³ /10min	ISO 1133
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
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	90	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	40	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	125	°C	ISO 75-2/A
CLTE - Flow	6.5E-5	cm/cm/°C	ISO 11359-2
RTI Elec (1.50 mm)	130	°C	UL 746
RTI Imp (1.50 mm)	115	°C	UL 746
RTI Str (1.50 mm)	130	°C	UL 746
Electrical	Nominal Value	Unit	Test Method
Electric Strength	30	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	2.85		IEC 60250
Flammability	Nominal Value	Unit	Test Method

Flame Rating		UL 94
1.20 mm	V-0	
2.50 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 300	°C
Middle Temperature	260 to 300	°C
Front Temperature	260 to 300	°C
Mold Temperature	80.0 to 120	°C
NOTE		
1.	24h	

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