

TARFLON™ AC1050

Polycarbonate
Idemitsu Kosan Co., Ltd.

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

General Information			
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.22	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	26.0	cm³/10min	ISO 1133
Spiral Flow	28.0	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	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	62.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	80	%	ISO 527-2
Flexural Modulus	3000	MPa	ISO 178
Flexural Stress	94.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	119	°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
Electrical	Nominal Value	Test Method	
Comparative Tracking Index (CTI)	PLC 3	UL 746	
Flammability	Nominal Value	Test Method	
Flame Rating	UL 94		
1.50 mm	V-1		
	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

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

