

TARFLON™ LEV1700KL

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
UV, Steam and Long-term heat resistance

General Information			
Features	Good UV Resistance		
	Steam Resistant		
Uses	LCD Applications		
	LEDs		
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 - Flow (1.00 mm)	0.50 to 0.70	%	Internal Method
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)	65.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	95	%	ISO 527-2
Flexural Modulus	2300	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)	128	°C	ISO 75-2/A
CLTE - Flow	6.5E-5	cm/cm/°C	ISO 11359-2
RTI Elec (0.360 mm)	130	°C	UL 746
RTI Imp (0.360 mm)	125	°C	UL 746
RTI Str (0.360 mm)	130	°C	UL 746
Electrical	Nominal Value		Test Method

Comparative Tracking Index (CTI)	PLC 2		UL 746
Flammability	Nominal Value		Test Method
Flame Rating (0.400 mm)	V-2		UL 94
Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ISO 13468-1
Haze (3000 μm)	0.90	%	ASTM D1003
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	80.0 to 120	°C	
NOTE			

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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



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