

TARFLON™ URC2501

Polycarbonate

Idemitsu Kosan Co., Ltd.

Message:

Highly reflective, light shielding effect, Flame-retardant V-0

General Information			
UL YellowCard	E48268-240479		
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	Flame Retardant		
	High Reflectivity		
Uses	LCD Applications		
	LEDs		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	35.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (2.00 mm)	0.50 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	50.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	70	%	ISO 527-2
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	30	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	136	°C	ISO 75-2/B
1.8 MPa, Unannealed	125	°C	ISO 75-2/A
CLTE - Flow	6.5E-5	cm/cm/°C	ISO 11359-2
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 (1.00 mm, NC)	V-0	UL 94	
Optical	Nominal Value	Unit	Test Method

Transmittance	0.1	%	ISO 13468-1
Additional Information	Nominal Value		
ISO Shortname	>PC-MD20<		
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 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

