

TARFLON™ URZ2500

Polycarbonate
Idemitsu Kosan Co., Ltd.

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

General Information			
Filler / Reinforcement	Mineral,10% 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	1.28	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	42.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (2.00 mm)	0.50 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	60.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	60	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	15	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	127	°C	ISO 75-2/B
1.8 MPa, Unannealed	117	°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 (1.50 mm, NC)	V-0	UL 94	
Optical	Nominal Value	Unit	Test Method
Transmittance	0.6	%	ISO 13468-1

Additional Information	Nominal Value	
ISO Shortname	>PC-MD10FR(40)<	
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

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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

