

TARFLON™ UR2500M

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
Highly reflective, light shielding effect

General Information			
Filler / Reinforcement	Mineral,20% Filler by Weight		
Features	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)	36.0	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (2.00 mm)	0.30 to 0.60	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ISO 2039-2
M-Scale	73		
R-Scale	120		
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	63.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	15	%	ISO 527-2
Flexural Modulus	3200	MPa	ISO 178
Flexural Stress	100	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	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	104	°C	ISO 75-2/A
CLTE - Flow	6.5E-5	cm/cm/°C	ISO 11359-2
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

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Recommended distributors for this material

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