

TARFLON™ LZ2500V

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:
Diffusion, UV resistance, Flame-retardant V-0, for Extrusion

General Information	
Features	Flame Retardant
	Good UV Resistance
Uses	LCD Applications
	LEDs
UL File Number	E48268
Processing Method	Extrusion
	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)	4.00	cm ³ /10min	ISO 1133
Molding Shrinkage - Flow (2.00 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	70	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	90.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	90	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	142	°C	ISO 75-2/B
1.8 MPa, Unannealed	130	°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
Electrical	Nominal Value		Test Method
Comparative Tracking Index (CTI)	PLC 3		UL 746
Flammability	Nominal Value		Test Method
Flame Rating (0.850 mm)	V-0		UL 94
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	
Extrusion	Nominal Value	Unit	
Drying Temperature	120	°C	
Drying Time	5.0 to 8.0	hr	
Cylinder Zone 1 Temp.	260 to 280	°C	
Cylinder Zone 3 Temp.	260 to 280	°C	
Cylinder Zone 5 Temp.	260 to 280	°C	
NOTE			
1.	24h		

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