

TARFLON™ G-2515V

Polycarbonate
Idemitsu Kosan Co., Ltd.

Message:

Flame retardant V-2

General Information			
Filler / Reinforcement	Glass Fiber,15% Filler by Weight		
Features	Flame Retardant		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (300°C/1.2 kg)	2.30	cm³/10min	ISO 1133
Molding Shrinkage			Internal Method
Across Flow : 2.00 mm	0.60	%	
Flow : 2.00 mm	0.30	%	
Water Absorption ¹ (Equilibrium, 23°C, 50% RH)	0.11	%	ISO 62
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)	87.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	3.5	%	ISO 527-2
Flexural Modulus	4500	MPa	ISO 178
Flexural Stress	134	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
0°C	7.0	kJ/m²	
23°C	8.0	kJ/m²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	147	°C	ISO 75-2/B
1.8 MPa, Unannealed	143	°C	ISO 75-2/A
CLTE - Flow	3.5E-5	cm/cm/°C	ISO 11359-2
Flammability	Nominal Value	Test Method	
Flame Rating (1.50 mm)	V-2	UL 94	
Additional Information	Nominal Value		

ISO Shortname	>PC-GF15<	
Injection	Nominal Value	Unit
Drying Temperature	120	°C
Drying Time	5.0 to 8.0	hr
Rear Temperature	260 to 300	°C
Middle Temperature	260 to 300	°C
Front Temperature	260 to 300	°C
Mold Temperature	80.0 to 120	°C
NOTE		
1.	24h	

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