

TARFLON™ SK3730

Polycarbonate + AS
Idemitsu Kosan Co., Ltd.

Message:
Filler reinforced, High Stiffness, Dimensional Precision

General Information			
Filler / Reinforcement	Filler,30% Filler by Weight		
Features	Flame Retardant		
	Good Dimensional Stability		
	High Stiffness		
UL File Number	E48268		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.43	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	8.00	cm ³ /10min	ISO 1133
Spiral Flow	22.0	cm	Internal Method
Molding Shrinkage			Internal Method
Across Flow : 2.00 mm	0.19	%	
Flow : 2.00 mm	0.17	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	74.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	1.5	%	ISO 527-2
Flexural Modulus	9000	MPa	ISO 178
Flexural Stress	113	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.0	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	100	°C	ISO 75-2/A
CLTE			ISO 11359-2
Flow	2.3E-5	cm/cm/°C	
Transverse	4.5E-5	cm/cm/°C	
RTI Elec	50.0	°C	UL 746
RTI Imp	50.0	°C	UL 746
RTI Str	50.0	°C	UL 746
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.50 mm, BK, NC	V-1		

2.00 mm, BK, NC	5VB	
Additional Information	Nominal Value	
ISO Shortname	>PC+AS-(TD+PD)30-FR(40)<	
Injection	Nominal Value	Unit
Drying Temperature	80.0 to 100	°C
Drying Time	5.0 to 8.0	hr
Rear Temperature	270 to 280	°C
Middle Temperature	270 to 280	°C
Front Temperature	270 to 280	°C
Mold Temperature	40.0 to 70.0	°C

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