TARFLON™ DK3722

Polycarbonate

Idemitsu Kosan Co., Ltd.

Message:

Filler reinforced, High Stiffness, Dimensional Precision

General Information			
UL YellowCard	E48268-101511934		
Filler / Reinforcement	Talc filler Mica filler		
Features	Rigidity, high Flame retardancy		
UL File Number	E48268		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.38	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/2.16 kg)	5.00	cm³/10min	ISO 1133
Spiral Flow	30.0	cm	Internal method
Molding Shrinkage			Internal method
Transverse flow: 2.00mm	0.26	%	Internal method
Flow: 2.00mm	0.22	%	Internal method
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	80.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	3.0	%	ISO 527-2
Flexural Modulus	6300	MPa	ISO 178
Flexural Stress	120	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength (23°C)	4.0	kJ/m²	ISO 179
Thermal	**Nominal Value**	**Unit**	**Test Method**
Heat Deflection Temperature (1.8 MPa, Unannealed)	110	°C	ISO 75-2/A
CLTE - Flow	3.6E-5	cm/cm/°C	ISO 11359-2
RTI Elec	80.0	°C	UL 746
RTI Imp	80.0	°C	UL 746
RTI	80.0	°C	UL 746
Flammability	**Nominal Value**		**Test Method**
Flame Rating			UL 94
0.35 mm, BK	V-2		UL 94

0.50 mm, BK	V-1	UL 94

Additional Information	Nominal Value
ISO Shortname	>PC-(TD+PD)20-FR(40)

Injection	Nominal Value	Unit
Drying Temperature	80 - 100	°C
Drying Time	5.0 - 8.0	hr
Rear Temperature	260 - 300	°C
Middle Temperature	260 - 300	°C
Front Temperature	260 - 300	°C
Mold Temperature	60 - 95	°C

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