

Bayblend® FR3200 TV

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

(PC+ABS) blend; unreinforced; flame-retardant; injection molding grade; for high gloss applications, RHCM process etc.; Vicat/B 120 = 96 °C; easy flow; UL recognition 94 V-0 at 1.2 mm; formerly trial product Bayblend FR TP SH001.

General Information			
UL YellowCard	E41613-100622137		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Flow		
	High Gloss		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/5.0 kg)	31.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 240°C, 3.00 mm	0.50	%	
Flow : 240°C, 3.00 mm	0.50	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 23°C	60.0	MPa	
Break, 23°C	46.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 23°C	3.7	%	
Break, 23°C	> 50	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	25	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength (23°C)	No Break		ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	87.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 55°C	7.2E-5	cm/cm/°C	

Transverse : 23 to 55°C	7.4E-5	cm/cm/°C
Flammability	Nominal Value	Test Method
Flame Rating (1.20 mm)	V-0	UL 94
NOTE		
1.	150x105x3 mm, 80°C MT	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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



WECHAT