

Bayblend® FR3311 TV

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

(PC+ABS) blend; 15% glass fibre reinforced; flame-retardant; easy flow; injection molding grade; Vicat/B 120 = 96 °C UL recognition 94V-1 at 1.2 mm and V- at 1.5 mm.

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
	Good Flow		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.28	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/5.0 kg)	26.0	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	5500	MPa	ISO 527-2/1
Tensile Stress (Break, 23°C)	94.0	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	3.0	%	ISO 527-2/5
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.0	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength (23°C)	30	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	92.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	87.0	°C	ISO 75-2/A
Vicat Softening Temperature	96.0	°C	ISO 306/B120
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity (23°C)	1.0E+16	ohms · cm	IEC 60093
Relative Permittivity			IEC 60250
23°C, 100 Hz	3.20		
23°C, 1 MHz	3.10		
Dissipation Factor			IEC 60250
23°C, 100 Hz	5.0E-3		
23°C, 1 MHz	7.0E-3		
Flammability	Nominal Value	Unit	Test Method

Flame Rating			UL 94
1.20 mm	V-1		
1.50 mm	V-0		
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity ¹ (260°C)	115	Pa·s	ISO 11443-A
NOTE			
1.	1000/s		

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