

Bayblend® ET3032 FR

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

Rubber modified PC blend; 10 % mineral filled; flame-retardant; extrusion grade; Vicat/B 120 temperature = 108 °C; good extrusion and vacuum-forming behaviour; UL 94 V-0 (0.75 mm) (internal test); glow wire temperature (GWFI): 960 °C at 2.0 mm.

General Information	
UL YellowCard	E41613-101267731
Filler / Reinforcement	Mineral,10% Filler by Weight
Additive	Flame Retardant
Features	Flame Retardant
	Good Processability
RoHS Compliance	RoHS Compliant
Processing Method	Extrusion
	Vacuum Forming

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.30	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	10.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 260°C, 3.00 mm	0.40 to 0.50	%	
Flow : 260°C, 3.00 mm	0.40 to 0.50	%	
Water Absorption			ISO 62
Saturation, 23°C	0.50	%	
Equilibrium, 23°C, 50% RH	0.20	%	

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	3950	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 23°C	63.0	MPa	
Break, 23°C	50.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 23°C	4.0	%	
Break, 23°C	15	%	

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/A
-30°C	7.0	kJ/m ²	
23°C	9.0	kJ/m ²	

Thermal	Nominal Value	Unit	Test Method
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Heat Deflection Temperature (1.8 MPa, Unannealed)	94.0	°C	ISO 75-2/A
Vicat Softening Temperature			
--	106	°C	ISO 306/B50
--	108	°C	ISO 306/B120
CLTE			ISO 11359-2
Flow : 23 to 55°C	4.8E-5	cm/cm/°C	
Transverse : 23 to 55°C	5.9E-5	cm/cm/°C	
Flammability	Nominal Value	Test Method	
Flame Rating		UL 94	
0.750 mm, Bayer Test	V-0		
2.00 mm, Bayer Test	5VB		
3.00 mm, Bayer Test	5VA		
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity ² (260°C)	380	Pa·s	ISO 11443-A
NOTE			
1.	150x105x3 mm, 80°C MT		
2.	1000/s		

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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

