

Bayblend® FR3021 GR

Polycarbonate + ABS

Covestro - Polycarbonates

Message:

(PC+ABS) blend; 15 % mineral filled; with 30 % post consumer recycle - water bottle content; flame retardant; injection molding grade; increased stiffness; tensile modulus = 4600 MPa; Vicat/B 120 temperature = 97 °C; UL recognition 94 V-0 (1.5 mm).

General Information			
Filler / Reinforcement	Mineral,15% Filler by Weight		
Additive	Flame Retardant		
Recycled Content	Yes,30%		
Features	Flame Retardant		
	Good Stiffness		
RoHS Compliance	RoHS Compliant		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.29	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/5.0 kg)	9.00	cm³/10min	ISO 1133
Molding Shrinkage			ISO 2577
Across Flow	0.20 to 0.40	%	
Flow	0.20 to 0.40	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	4600	MPa	ISO 527-2/1
Tensile Stress			ISO 527-2/50
Yield, 23°C	66.0	MPa	
Break, 23°C	41.0	MPa	
Tensile Strain			ISO 527-2/50
Yield, 23°C	2.9	%	
Break, 23°C	4.0	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.0	kJ/m²	ISO 180/A
Unnotched Izod Impact Strength (23°C)	70	kJ/m²	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	84.0	°C	ISO 75-2/A
Vicat Softening Temperature	97.0	°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
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Fill Analysis	Nominal Value	Unit	Test Method
Melt Viscosity (260°C)	211	Pa·s	ISO 11443-A

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

