

Bayblend® FR3020 W BBS910

 Covestro - Polycarbonates - *Polycarbonate + ABS*
General Information
Product Description

mineral filled PC blend; 5 % mineral filled; UV-stabilized; Vicat/B 120 temperature = 102°C; flame-retardant;; UL recognition 94 V-0 (0.6mm); low smoke density

General

| | |
|------------------------|---|
| Material Status | • Commercial: Active |
| Availability | • Africa & Middle East • Europe • North America • Asia Pacific • Latin America |
| Filler / Reinforcement | • Mineral, 5.0% Filler by Weight |
| Additive | • Flame Retardant • UV Stabilizer |
| Features | • Flame Retardant • UV Stabilized |
| ISO Designation | • PC-I-TD5 FR(40) |

Properties ¹

| Physical | Nominal Value | Unit | Test Method |
|--|---------------|------------------------|--------------|
| Melt Volume-Flow Rate (MVR) (260°C/5.0 kg) | 24 | cm ³ /10min | ISO 1133 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Modulus (73°F) | 464000 | psi | ISO 527-1/1 |
| Tensile Stress (Yield, 73°F) | 9720 | psi | ISO 527-2/50 |
| Tensile Stress (Break, 73°F) | 7400 | psi | ISO 527-2/50 |
| Tensile Strain (Yield, 73°F) | 4.0 | % | ISO 527-2/50 |
| Tensile Strain (Break, 73°F) | > 50 | % | ISO 527-2/50 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact Strength | | | ISO 180/A |
| -22°F | 3.8 | ft·lb/in ² | |
| 73°F | 5.7 | ft·lb/in ² | |
| Thermal | Nominal Value | Unit | Test Method |
| Vicat Softening Temperature | 216 | °F | ISO 306/B120 |
| Flammability | Nominal Value | Unit | Test Method |
| Flame Rating (0.024 in) | V-0 | | UL 94 |
| Fill Analysis | Nominal Value | Unit | Test Method |
| Melt Viscosity ² (500°F) | 250 | Pa·s | ISO 11443-A |

Notes
¹ Typical properties: these are not to be construed as specifications.

² 1000s-1
