

Technical Data Sheet

Schulblend M/MB 6101 GF10 BLK2-0010

Polycarbonate + ABS

Product Description

10% glass fiber reinforced ABS/PC blend. (Former name: SCHULABLEND M/MB 5 GF10)

Regulatory StatusFor regulatory compliance information, see *Schulblend M/MB 6101 GF10 BLK2-0010* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

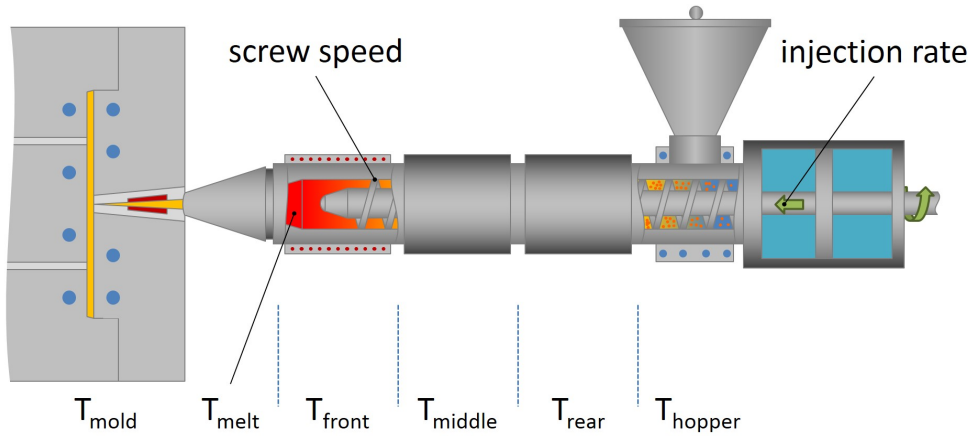
| | |
|-----------------------------|--|
| Status | Commercial: Active |
| Availability | Africa-Middle East; Asia-Pacific; Europe; Latin America; North America |
| Processing Method | Injection Molding |
| Filler/Reinforcement | Glass Fiber, 10% |
| Resin ID | ABS+PC-GF |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------------|---------------|
| Physical | | | |
| Melt Volume Flow Rate, (260 °C/5.0 kg) | 16 | cm ³ /10 min | ISO 1133 |
| Density, (Method A) | 1.19 | g/cm ³ | ISO 1183 |
| Mechanical | | | |
| Tensile Strain at Break, (Type 1A, 5 mm/min) | 3.0 | % | ISO 527-2 |
| Tensile Stress at Break, (Type 1A, 5 mm/min) | 74.0 | MPa | ISO 527-2 |
| Tensile Modulus, (1 mm/min, Type 1A) | 4000 | MPa | ISO 527-1 |
| Impact | | | |
| Charpy Impact Strength - Notched | | | |
| (23 °C, Type 1, Edgewise, Notch A) | 12 | kJ/m ² | ISO 179 |
| (-30 °C, Type 1, Edgewise, Notch A) | 8.0 | kJ/m ² | ISO 179 |
| Charpy Impact Strength - Unnotched | | | |
| (23 °C, Type 1, Edgewise) | 39 | kJ/m ² | ISO 179 |
| (-30 °C, Type 1, Edgewise) | 32 | kJ/m ² | ISO 179 |
| Hardness | | | |
| Ball Indentation Hardness, (H 358/30) | 124 | MPa | ISO 2039-1 |
| Thermal | | | |
| Vicat Softening Temperature | | | |
| (B (50N), 50 °C/h) | 125 | °C | ISO 306 |
| (A (10N), 50 °C/h) | 135 | °C | ISO 306 |
| Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise) | 131 | °C | ISO 75-2/B |
| Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise) | 119 | °C | ISO 75-2/A |
| Electrical | | | |
| Volume Resistivity | >1.0E+13 | ohm*m | IEC 62631-3-1 |
| Surface Resistivity | >1.0E+15 | ohm | IEC 60093 |
| Flammable | | | |

| | | |
|--------------|-----------|-----------|
| Burning Rate | | |
| (2.00 mm) | 16 mm/min | ISO 3795 |
| (2.00 mm) | 16 mm/min | FMVSS 302 |

UL Information

| | | |
|-----------------------------|----|----------------------|
| Flammability Classification | | |
| (1.5 mm) | HB | IEC 60695-11-10, -20 |
| (3.0 mm) | HB | IEC 60695-11-10, -20 |



| Injection Parameters | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time | 4 | hr |
| Drying Temperature | 100 | °C |
| Suggested Max Moisture | 0.02 | % |
| Processing (Melt) Temp | 260 to 280 | °C |
| Mold Temperature | 70 to 100 | °C |

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

© LyondellBasell Industries Holdings, B.V. 2018

Disclaimer

Information in this document is accurate to the best of our knowledge at the date of publication. The document is designed to provide users general information for safe handling, use, processing, storage, transportation, disposal and release and does not constitute any warranty or quality specification, either express or implied, including any warranty of merchantability or fitness for any particular purpose. Users shall determine whether the product is suitable for their use and can be used safely and legally.

In addition to any prohibitions of use specifically noted in this document, LyondellBasell may further prohibit or restrict the sale of its products into certain applications. For further information, please contact a LyondellBasell representative.

Trademarks

The Trademark referenced within the product name is owned or used by the LyondellBasell family of companies.