

## Technical Data Sheet

**Schulblend M/MB 5 GF10 BLK 70355**

Polycarbonate + ABS

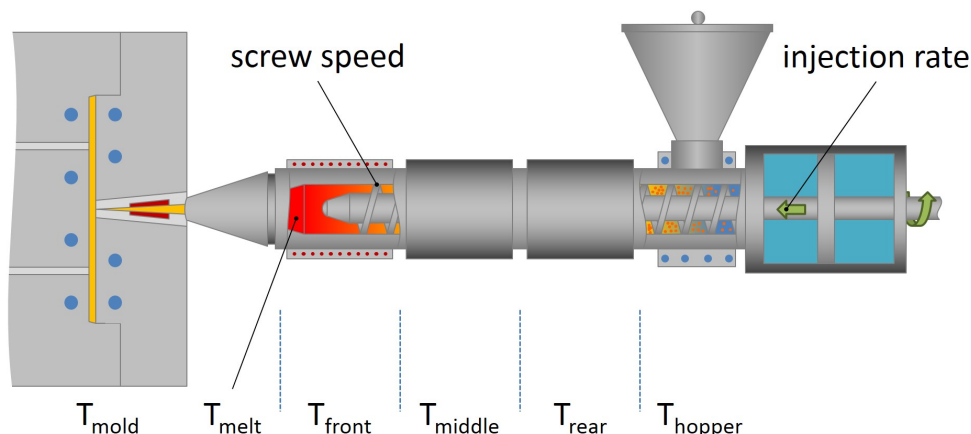
**Product Description**

10% glass fibre reinforced ABS/PC blend

**Regulatory Status**For regulatory compliance information, see *Schulblend M/MB 5 GF10 BLK 70355* [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

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

| Typical Properties  | Nominal Value | Units                   | Test Method |
|---|---------------|-------------------------|-------------|
| <b>Physical</b>   |               |                         |             |
| Melt Volume Flow Rate, (260 °C/5.0 kg)                              | 16            | cm <sup>3</sup> /10 min | ISO 1133    |
| Density, (Method A)   | 1.19          | g/cm <sup>3</sup>       | ISO 1183    |
| <b>Mechanical</b>   |               |                         |             |
| 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)                                | 3600          | MPa                     | ISO 527-1   |
| <b>Impact</b>   |               |                         |             |
| Charpy Impact Strength - Notched                                    |               |                         |             |
| (23 °C, Type 1, Edgewise, Notch A)                                  | 11            | kJ/m <sup>2</sup>       | ISO 179     |
| (-30 °C, Type 1, Edgewise, Notch A)                                 | 10            | kJ/m <sup>2</sup>       | ISO 179     |
| Charpy Impact Strength - Unnotched                                  |               |                         |             |
| (23 °C, Type 1, Edgewise)   | 39            | kJ/m <sup>2</sup>       | ISO 179     |
| (-30 °C, Type 1, Edgewise)  | 32            | kJ/m <sup>2</sup>       | ISO 179     |
| <b>Hardness</b>   |               |                         |             |
| Ball Indentation Hardness, (H 358/30)                               | 124           | MPa                     | ISO 2039-1  |
| <b>Thermal</b>  |               |                         |             |
| Vicat Softening Temperature, (B (50N), 50 °C/h)                     | 130           | °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  |
| <b>Electrical</b>   |               |                         |             |
| Volume Resistivity  | >1.0E+13      | ohm*cm                  | IEC 60093   |
| Surface Resistivity   | >1.0E+15      | ohm                     | IEC 60093   |
| <b>Flammable</b>  |               |                         |             |
| Burning Rate  | <40           | mm/min                  | ISO 3795    |
| (FMVSS 302)   | <40           | mm/min                  | FMVSS 302   |
| <b>Additional Information</b>                                       |               |                         |             |



| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 4.0 to 6.0    | hr    |
| Drying Temperature     | 100           | °C    |
| Suggested Max Moisture | <0.050        | %     |
| Processing (Melt) Temp | 260 to 270    | °C    |
| Mold Temperature       | 70 to 90      | °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/>.

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