

## Technical Data Sheet

### Schulablend M/MB 6305 SF U WHI81770



Polycarbonate + ABS

#### Product Description

High flow and high heat resistant PC/ABS blend. Available with or without UV stabilization. (Former name: SCHULABLEND M/MB 6 SF)

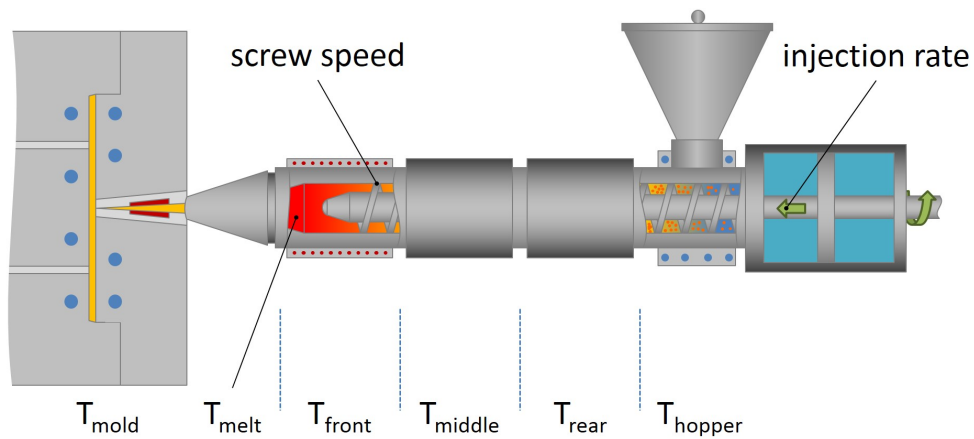
#### Regulatory Status

For regulatory compliance information, see *Schulablend M/MB 6305 SF U WHI81770* [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>Attribute</b>         | Good Flow; High Heat Resistance                                        |
| <b>Resin ID</b>          | ABS+PC                                                                 |

| Typical Properties                                                   | Nominal Value | Units                   | Test Method    |
|----------------------------------------------------------------------|---------------|-------------------------|----------------|
| <b>Physical</b>                                                      |               |                         |                |
| Melt Volume Flow Rate, (260 °C/5.0 kg)                               | 27            | cm <sup>3</sup> /10 min | ISO 1133       |
| Density, (Method A)                                                  | 1.16          | g/cm <sup>3</sup>       | ISO 1183       |
| <b>Mechanical</b>                                                    |               |                         |                |
| Tensile Stress at Yield, (Type 1A, 50 mm/min)                        | 55.0          | MPa                     | ISO 527-2      |
| Tensile Strain at Yield, (Type 1A, 50 mm/min)                        | 6.0           | %                       | ISO 527-2      |
| Tensile Modulus, (1 mm/min, Type 1A)                                 | 2200          | MPa                     | ISO 527-1      |
| <b>Impact</b>                                                        |               |                         |                |
| Charpy Impact Strength - Notched, (23 °C, Type 1, Edgewise, Notch A) | 55            | kJ/m <sup>2</sup>       | ISO 179        |
| Charpy Impact Strength - Unnotched                                   |               |                         |                |
| (23 °C, Type 1, Edgewise)                                            | No Break      |                         | ISO 179        |
| (-30 °C, Type 1, Edgewise)                                           | No Break      |                         | ISO 179        |
| <b>Hardness</b>                                                      |               |                         |                |
| Ball Indentation Hardness, (H 358/30)                                | 102           | MPa                     | ISO 2039-1     |
| Ball Pressure Test, (130 °C)                                         | Pass          |                         | IEC 60695-10-2 |
| <b>Thermal</b>                                                       |               |                         |                |
| Vicat Softening Temperature, (B (50N), 50 °C/h)                      | 135           | °C                      | ISO 306        |
| <b>Electrical</b>                                                    |               |                         |                |
| Volume Resistivity                                                   | >1.0E+13      | ohm*m                   | IEC 62631-3-1  |
| Surface Resistivity                                                  | >1.0E+15      | ohm                     | IEC 60093      |
| <b>Flammable</b>                                                     |               |                         |                |
| Burning Rate                                                         |               |                         |                |
| (2.00 mm)                                                            | 60            | mm/min                  | FMVSS 302      |
| (2.00 mm)                                                            | 60            | mm/min                  | ISO 3795       |
| Glow Wire Flammability Index, (2.0 mm)                               | 650           | °C                      | IEC 60695-2-12 |
| <b>UL Information</b>                                                |               |                         |                |

|                             |        |                      |
|-----------------------------|--------|----------------------|
| Flammability Classification |        |                      |
| (1.5 mm)                    | HB     | IEC 60695-11-10, -20 |
| (3.0 mm)                    | HB     | IEC 60695-11-10, -20 |
| UL File Number              | E86615 |                      |



| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 4             | hr    |
| Drying Temperature     | 100 to 110    | °C    |
| 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/>.

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