

Technical Data Sheet

**Schulablend (PC/ABS) M/MB 3 GF 20**

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description

20% glass fibre reinforced ABS-PC blend with increased heat resistance

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Filler / Reinforcement	• Glass Fiber, 20% Filler by Weight		
Features	• High Heat Resistance		
Processing Method	• Injection Molding		
Part Marking Code (ISO 11469)	• >ABS+PC-GF<		

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.24 g/cm ³	1.24 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 kg)	8.0 cm ³ /10min	8.0 cm ³ /10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	870000 psi	6000 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	10900 psi	75.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.0 %	2.0 %	ISO 527-2/1A/5
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	3.8 ft·lb/in ²	8.0 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	11 ft·lb/in ²	23 kJ/m ²	ISO 179/1eU
Notched Izod Impact (Area) (73°F (23°C))	7.14 ft·lb/in ²	15.0 kJ/m ²	ASTM D256
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness (H 358/30)	13800 psi	95.0 MPa	ISO 2039-1
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 psi (0.45 MPa), Unannealed	266 °F	130 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	239 °F	115 °C	ISO 75-2/Af
Vicat Softening Temperature	248 °F	120 °C	ISO 306/B50
Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·cm	> 1.0E+13 ohms·cm	IEC 60093
Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Flammability Classification 0.06 in (1.5 mm)	HB	HB	IEC 60695-11-10, -20

Additional Information

The tradename "Schulablend" may be abbreviated "SBL" in documents or on labels.

- 1.) Not for use in food contact applications
- 2.) Not for use in medical or pharmaceutical applications

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.

Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light

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- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing

Company Information

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

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