

Technical Data Sheet

Schulablend (PC/ABS) M/MB 5 GF 5

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description

5% glass fibre reinforced ABS/PC blend

General

Filler / Reinforcement	• Glass Fiber, 5.0% Filler by Weight
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• ABS+PC-GF

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.16 g/cm ³	1.16 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 Kg)	17 cm ³ /10min	17 cm ³ /10min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	464000 psi	3200 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	9720 psi	67.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	4.0 %	4.0 %	ISO 527-2/1A/5

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	5.7 ft·lb/in ²	12 kJ/m ²	
73°F (23°C)	7.1 ft·lb/in ²	15 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	17 ft·lb/in ²	35 kJ/m ²	
73°F (23°C)	21 ft·lb/in ²	45 kJ/m ²	

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			
--	262 °F	128 °C	ISO 306/B50
--	284 °F	140 °C	ISO 306/A50

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
Burning Rate			
--	< 1.6 in/min	< 40 mm/min	FMVSS 302
--	< 1.6 in/min	< 40 mm/min	ISO 3795
Flammability Classification			IEC 60695-11-10, -20
0.06 In (1.6 Mm)	HB	HB	

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.