

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

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.