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/cm³	1.24 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°c/5.0 Kg)	8.0 cm³/10min	8.0 cm³/10min	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/in²	8.0 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°f (23°c)	11 ft·lb/in²	23 kJ/m²	ISO 179/1eU
Notched Izod Impact (Area) (73°f (23°c))	7.14 ft·lb/in²	15.0 kJ/m²	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.