Technical Data Sheet

Schulablend (PC/ABS) M/MB 5 GF 10

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description
10% glass fibre reinforced ABS/PC blend

General	
Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• ABS+PC-GF

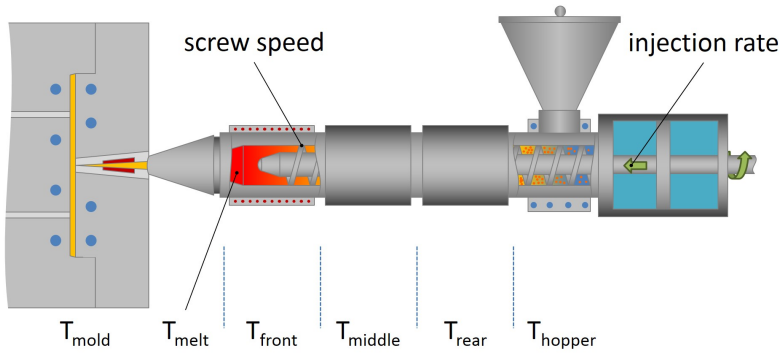
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.19 g/cm³	1.19 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°c/5.0 Kg)	16 cm³/10min	16 cm³/10min	ISO 1133
Water Absorption			ISO 62
Equilibrium, 73°f (23°c), 50% Rh	0.20 %	0.20 %	
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	522000 psi	3600 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	10700 psi	74.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0 %	3.0 %	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)	4.8 ft·lb/in²	10 kJ/m²	
73°f (23°c)	5.2 ft·lb/in²	11 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°c)	15 ft·lb/in²	32 kJ/m²	
73°f (23°c)	19 ft·lb/in²	39 kJ/m²	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Ball Indentation Hardness (H 358/30)	18000 psi	124 MPa	ISO 2039-1
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	268 °F	131 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	246 °F	119 °C	ISO 75-2/Af
Vicat Softening Temperature	266 °F	130 °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**
Burning Rate			
--	< 1.6 in/min	< 40 mm/min	FMVSS 302
--	< 1.6 in/min	< 40 mm/min	ISO 3795

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

Technical Data Sheet

Schulablend (PC/ABS) M/MB 5 GF 10

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 °F	100 °C
Drying Time	4.0 to 6.0 hr	4.0 to 6.0 hr
Suggested Max Moisture	< 0.05 %	< 0.05 %
Processing (Melt) Temp	500 to 518 °F	260 to 270 °C
Mold Temperature	158 to 194 °F	70 to 90 °C

Notes

These are typical property values not to be construed as specification limits.