

Technical Data Sheet

**Schulablend (PC/ABS) M/MB 6503 SF**

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description

High flow and high heat resistant PC/ABS blend

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Flow • High Heat Resistance		
UL File Number	• E86615		
Processing Method	• Injection Molding		
Resin ID (ISO 1043)	• ABS+PC		

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)	27 cm ³ /10min	27 cm ³ /10min	ISO 1133
Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	319000 psi	2200 MPa	ISO 527-1/1A/1
Tensile Stress (Yield)	7980 psi	55.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	6.0 %	6.0 %	ISO 527-2/1A/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	26 ft·lb/in ²	55 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	No Break	No Break	
73°F (23°C)	No Break	No Break	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness (H 358/30)	14800 psi	102 MPa	ISO 2039-1
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Vicat Softening Temperature	275 °F	135 °C	ISO 306/A50
Ball Pressure Test (266°F (130°C))	Pass	Pass	IEC 60695-10-2
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			
--	< 2.4 in/min	< 60 mm/min	ISO 3795
--	< 2.4 in/min	< 60 mm/min	FMVSS 302
Flammability Classification			IEC 60695-11-10, -20
0.06 in (1.5 mm)	HB	HB	
0.12 in (3.0 mm)	HB	HB	
Glow Wire Flammability Index			IEC 60695-2-12
0.08 in (2.0 mm)	1200 °F	650 °C	

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

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 to 230 °F	100 to 110 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	500 to 536 °F	260 to 280 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

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
- 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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