Technical Data Sheet

Schulablend (PC/ABS) M/MB 6301 LE

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description
ABS/PC-blend with higher impact and heat resistance

General		
Features	• High Heat Resistance	• High Impact Resistance
Processing Method	• Injection Molding	
Resin ID (ISO 1043)	• ABS+PC	

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.13 g/cm³	1.13 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°c/5.0 Kg)	14 cm³/10min	14 cm³/10min	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)	7540 psi	52.0 MPa	ISO 527-2/1A/50
Tensile Strain			
Yield	4.0 %	4.0 %	ISO 527-2/1A/50
Break	60 %	60 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			
-22°f (-30°c)	16 ft·lb/in²	33 kJ/m²	ISO 179
73°f (23°c)	24 ft·lb/in²	50 kJ/m²	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)	13900 psi	96.0 MPa	ISO 2039-1
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	257 °F	125 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	221 °F	105 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	257 °F	125 °C	ISO 306/B50
--	280 °F	138 °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·m	> 1.0E+13 ohms·m	IEC 62631-3-1
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 In (2.00 Mm)	< 1.6 in/min	< 40 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 1.6 in/min	< 40 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	

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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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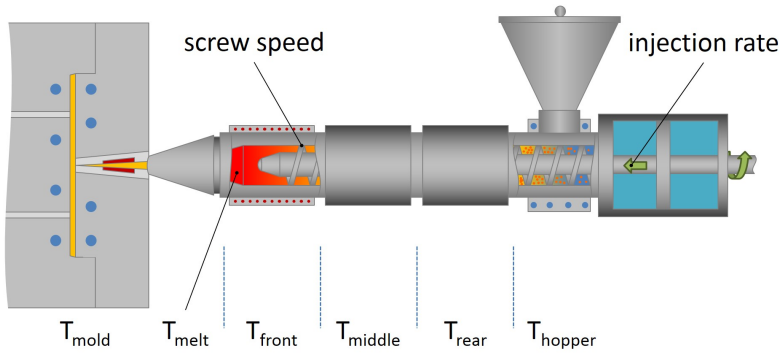

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 °F	100 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	500 to 536 °F	260 to 280 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

Notes

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