Technical Data Sheet

Schulablend (PC/ABS) M/MB 6301

Polycarbonate + ABS
LyondellBasell Industries
Engineering Plastics

Product Description
ABS/PC-blend with higher impact and heat resistance. Also available as UV stabilized version. (Former name: RONFALIN® C130)

General	
Processing Method	• Injection Molding
Resin ID (ISO 1043)	• ABS+PC

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.15 g/cm³	1.15 g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (260°c/5.0 Kg)	16 cm³/10min	16 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	328000 psi	2260 MPa	ISO 527-1/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	7980 psi	55.0 MPa	
Break	5800 psi	40.0 MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	5.2 %	5.2 %	
Break	40 %	40 %	
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°f (-30°c)	8.1 ft·lb/in²	17 kJ/m²	
-4°f (-20°c)	8.1 ft·lb/in²	17 kJ/m²	
73°f (23°c)	21 ft·lb/in²	45 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°c)	No Break	No Break	
-4°f (-20°c)	No Break	No Break	
73°f (23°c)	No Break	No Break	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	261 °F	127 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	221 °F	105 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	266 °F	130 °C	ISO 306/B50
--	284 °F	140 °C	ISO 306/A50
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

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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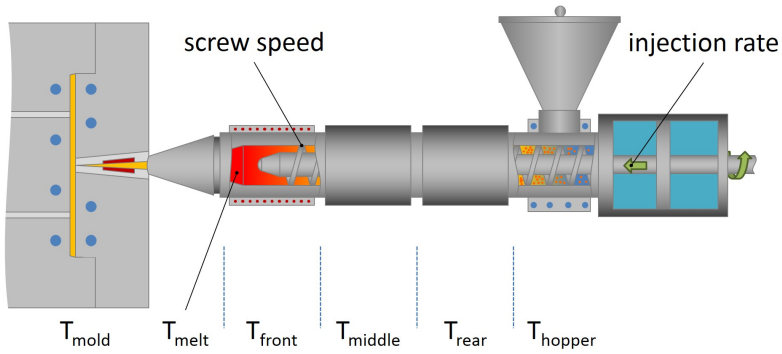

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	212 to 230 °F	100 to 110 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	500 to 536 °F	260 to 280 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

Notes

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