

Schulablend (PC/SAN) M/MS 61XP GF30

Polycarbonate + SAN
LyondellBasell Industries
Engineering Plastics

Product Description

30% glass fiber reinforced PC/SAN blend

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Features	• Good Flow • High Heat Resistance
Processing Method	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.38 g/cm ³	1.38 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°C/5.0 Kg)	20 cm ³ /10min	20 cm ³ /10min	ISO 1133

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus (73°F (23°C))	1.45E+6 psi	9970 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	19000 psi	131 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	1.8 %	1.8 %	ISO 527-2/1A/5
Flexural Modulus	1.40E+6 psi	9640 MPa	ISO 178
Flexural Stress	26100 psi	180 MPa	ISO 178

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-22°F (-30°C)	3.9 ft·lb/in ²	8.2 kJ/m ²	
73°F (23°C)	3.3 ft·lb/in ²	7.0 kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	13 ft·lb/in ²	27 kJ/m ²	
73°F (23°C)	8.1 ft·lb/in ²	17 kJ/m ²	

Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Shore Hardness (Shore D, 3 Sec)	85	85	ISO 868
Ball Indentation Hardness (H 961/30)	32200 psi	222 MPa	ISO 2039-1

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	271 °F	133 °C	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	259 °F	126 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	266 °F	130 °C	ISO 306/B50
--	277 °F	136 °C	ISO 306/A50

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 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	194 to 230 °F	90 to 110 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	500 to 554 °F	260 to 290 °C
Mold Temperature	158 to 212 °F	70 to 100 °C

Notes

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