

Technical Data Sheet

Schulablend M/MX 50

Polycarbonate + PBT
LyondellBasell Industries
Engineering Plastics

Product Description

PC/PBT- blend

General

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.20 g/cm ³	1.20 g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 Kg)	43 cm ³ /10min	43 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)	7830 psi	54.0 MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.8 %	3.8 %	ISO 527-2/1A/50
Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	19 ft·lb/in ²	40 kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°F (-30°C)	20 ft·lb/in ²	43 kJ/m ²	
73°F (23°C)	No Break	No Break	
Hardness	Nominal Value (English)	Nominal Value (SI)	Test Method
Ball Indentation Hardness (H 358/30)	16400 psi	113 MPa	ISO 2039-1
Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Deflection Temperature Under Load			ISO 75-2/Af
264 Psi (1.8 Mpa), Unannealed	149 °F	65.0 °C	
Vicat Softening Temperature	216 °F	102 °C	ISO 306/B50

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

Notes

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