HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

Schulablend (PA/PPO) M/MH 8103 GF20

Polyamide + PPE
LyondellBasell Industries
Engineering Plastics

Product Description
Polyamid 66 - PPE Blend, 20% glass fiber reinforced, low thermal conductivity

General		
Processing Method	• Extrusion	• Injection Molding

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.23 g/cm³	1.23 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (280°c/10.0 Kg)	40 cm³/10min	40 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	1.15E+6 psi	7900 MPa	ISO 527-1/1A/1
Tensile Stress (Break)	17500 psi	121 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	2.2 %	2.2 %	ISO 527-2/1A/5
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-40°f (-40°c)	3.8 ft·lb/in²	8.0 kJ/m²	
-22°f (-30°c)	4.3 ft·lb/in²	9.0 kJ/m²	
73°f (23°c)	4.3 ft·lb/in²	9.0 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-40°f (-40°c)	14 ft·lb/in²	30 kJ/m²	
-22°f (-30°c)	14 ft·lb/in²	30 kJ/m²	
73°f (23°c)	17 ft·lb/in²	35 kJ/m²	
Hardness	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Ball Indentation Hardness (H 358/30)	13200 psi	91.0 MPa	ISO 2039-1
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed, 0.0787 In (2.00 Mm)	187 °F	86.0 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	412 °F	211 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	419 °F	215 °C	ISO 306/B50
--	> 482 °F	> 250 °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)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 In (2.00 Mm)	< 3.9 in/min	< 100 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	

HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

Schulablend (PA/PPO) M/MH 8103 GF20

Polyamide + PPE
LyondellBasell Industries
Engineering Plastics

Additional Information

The tradename "Schulablend" may be abbreviated "SBL" in documents or on labels.

Thermal conductivity ISO/CD 22007-2 0,29 W/(m*K)

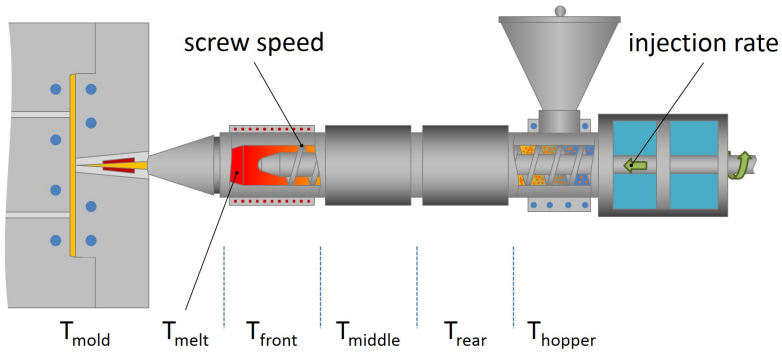
1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

Schulablend (PA/PPO) M/MH 8103 GF20

Polyamide + PPE
LyondellBasell Industries
Engineering Plastics



Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	230 to 248 °F	110 to 120 °C
Drying Time	2.0 to 4.0 hr	2.0 to 4.0 hr
Processing (Melt) Temp	518 to 536 °F	270 to 280 °C
Mold Temperature	176 to 212 °F	80 to 100 °C

Notes

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