Technical Data Sheet

Schulablend (ABS/PA) M/MK 5501 U

Acrylonitrile Butadiene Styrene + PA
LyondellBasell Industries
Engineering Plastics

Product Description
Medium flow ABS/PA6 blend, high impact strength, UV stabilised. (Former name: SCHULABLEND® M/MK UV HI)

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

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.10 g/cm³	1.10 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (260°c/5.0 Kg)	8.0 cm³/10min	8.0 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	261000 psi	1800 MPa	ISO 527-1/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	5950 psi	41.0 MPa	
Break	5800 psi	40.0 MPa	
Tensile Strain			ISO 527-2/1A/50
Yield	4.0 %	4.0 %	
Break	98 %	98 %	
Flexural Modulus [1]	268000 psi	1850 MPa	ISO 178
Flexural Stress [1] (3.5% Strain)	8270 psi	57.0 MPa	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength			ISO 179/1eA
-22°f (-30°c)	7.6 ft·lb/in²	16 kJ/m²	
73°f (23°c)	29 ft·lb/in²	60 kJ/m²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-22°f (-30°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			ISO 75-2/Af
264 Psi (1.8 Mpa), Unannealed	147 °F	64.0 °C	
Vicat Softening Temperature	282 °F	139 °C	ISO 306/B50
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate			
0.0787 In (2.00 Mm)	1.1 in/min	29 mm/min	ISO 3795
0.0787 In (2.00 Mm)	1.1 in/min	29 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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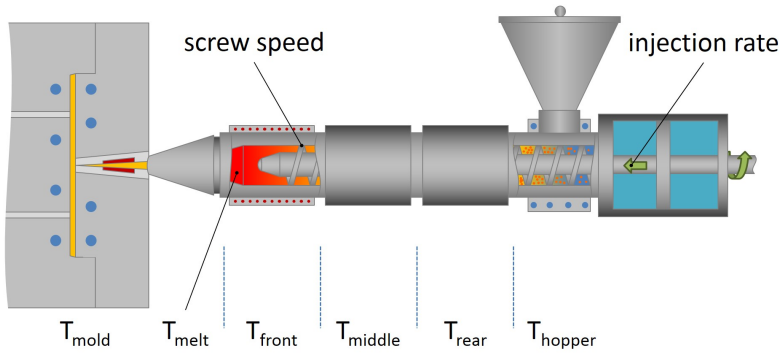

Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

[1] 0.079 in/min (2.0 mm/min)

Notes

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