Technical Data Sheet

Schulablend (ASA/PA) M/MW NC 100 SF K2083

Acrylonitrile Styrene Acrylate + PA
LyondellBasell Industries
Engineering Plastics

Product Description
Nanocomposite based on ASA/PA 6-blend with increased dimensional stability, high flow, UV stabilized

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

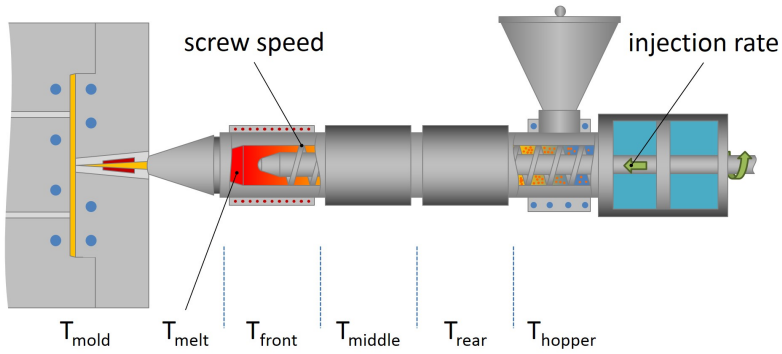
Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.17 g/cm³	1.17 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°c/5.0 Kg)	20 cm³/10min	20 cm³/10min	ISO 1133
Mechanical	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Tensile Modulus	470000 psi	3240 MPa	ISO 527-1/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	7320 psi	50.5 MPa	
Break	6960 psi	48.0 MPa	
Tensile Strain (Yield)	2.8 %	2.8 %	ISO 527-2/1A/50
Nominal Tensile Strain at Break	25 %	25 %	ISO 527-2/1A/50
Flexural Modulus [1]	435000 psi	3000 MPa	ISO 178
Flexural Stress [1]	11000 psi	75.6 MPa	ISO 178
Flexural Strain at Flexural Strength	5.1 %	5.1 %	ISO 178
Impact	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Charpy Notched Impact Strength (73°f (23°c))	4.8 ft·lb/in²	10 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
73°f (23°c)	18 ft·lb/in²	38 kJ/m²	
Thermal	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Deflection Temperature Under Load			
66 Psi (0.45 Mpa), Unannealed	223 °F	106 °C	ISO 75-2/Bf
264 Psi (1.8 Mpa), Unannealed	158 °F	70.0 °C	ISO 75-2/Af
Vicat Softening Temperature	248 °F	120 °C	ISO 306/B50
Flammability	**Nominal Value (English)**	**Nominal Value (SI)**	**Test Method**
Burning Rate (0.0787 In (2.00 Mm))	< 2.4 in/min	< 60 mm/min	ISO 3795

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

Technical Data Sheet

Schulablend (ASA/PA) M/MW NC 100 SF K2083

Acrylonitrile Styrene Acrylate + PA
LyondellBasell Industries
Engineering Plastics



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.