

Technical Data Sheet

Schulablend (ASA/PA) M/MW UV

Acrylonitrile Styrene Acrylate + PA
LyondellBasell Industries
Engineering Plastics

Product Description

ASA/PA blend with excellent light stability, impact properties and with high heat resistance

General

Processing Method • Extrusion • Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.11	--	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 Kg)	15	--	cm ³ /10min	ISO 1133
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	261000 (1800)	116000 (800)	psi (MPa)	ISO 527-1/1A/1
Tensile Stress (Yield)	6380 (44.0)	4930 (34.0)	psi (MPa)	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 100	> 200	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	3.8 (8.0)	--	ft·lb/in ² (kJ/m ²)	
-4°F (-20°C)	4.8 (10)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	10 (21)	19 (40)	ft·lb/in ² (kJ/m ²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	No Break	--		
-4°F (-20°C)	No Break	--		
73°F (23°C)	No Break	--		
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	13800 (95.0)	--	psi (MPa)	ISO 2039-1
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
66 Psi (0.45 Mpa), Unannealed	133 (56.0)	--	°F (°C)	ISO 75-2/B
264 Psi (1.8 Mpa), Unannealed	205 (96.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	275 (135)	--	°F (°C)	ISO 306/B50
--	406 (208)	--	°F (°C)	ISO 306/A50

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

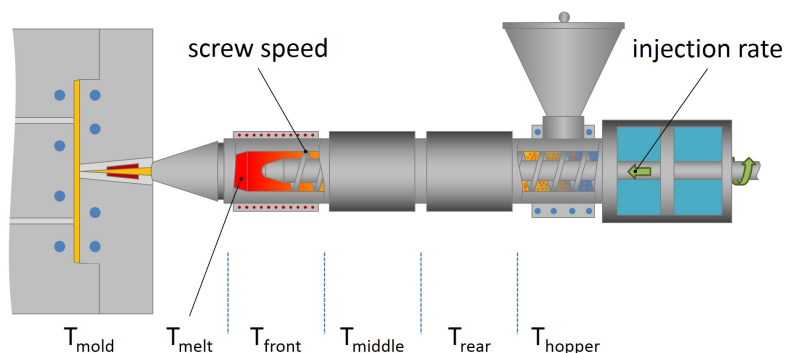
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Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

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