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/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°c/5.0 Kg)	15	--	cm³/10min	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/in² (kJ/m²)	
-4°f (-20°c)	4.8 (10)	--	ft·lb/in² (kJ/m²)	
73°f (23°c)	10 (21)	19 (40)	ft·lb/in² (kJ/m²)	
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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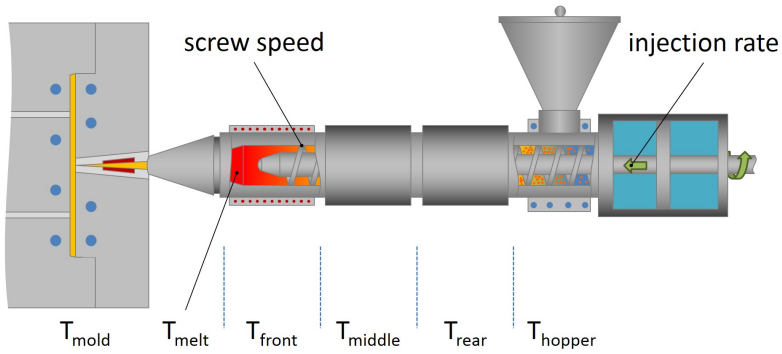

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

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