

Technical Data Sheet

SCHULABLEND® (ASA/PA) M/MW 6201

Acrylonitrile Styrene Acrylate + PA
Engineering Plastics

Product Description

PA/ASA blend with high light stability and heat resistance. (Former name: SCHULABLEND® M/MW)

General

Processing Method • 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
Molding Shrinkage	0.80 to 1.2	--	%	ISO 294-4
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	290000 (2000)	113000 (780)	psi (MPa)	ISO 527-2/1A/1
Tensile Stress (Yield)	7980 (55.0)	4500 (31.0)	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	4.0	24	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	3.3 (7.0)	--	ft·lb/in ² (kJ/m ²)	
73°F (23°C)	41 (86)	57 (120)	ft·lb/in ² (kJ/m ²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	No Break	--		
73°F (23°C)	No Break	No Break		
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/10)	15400 (106)	--	psi (MPa)	ISO 2039-1
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
66 psi (0.45 MPa), Unannealed	207 (97.0)	--	°F (°C)	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	122 (50.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	410 (210)	--	°F (°C)	ISO 306/A50
--	288 (142)	--	°F (°C)	ISO 306/B50

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Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate				
0.0787 in (2.00 mm)	0.71 (18)	--	in/min (mm/min)	ISO 3795
0.0787 in (2.00 mm)	0.71 (18)	--	in/min (mm/min)	FMVSS 302
Flammability Classification				IEC 60695-11-10, -20
0.06 in (1.5 mm)	HB	--		
0.12 in (3.0 mm)	HB	--		

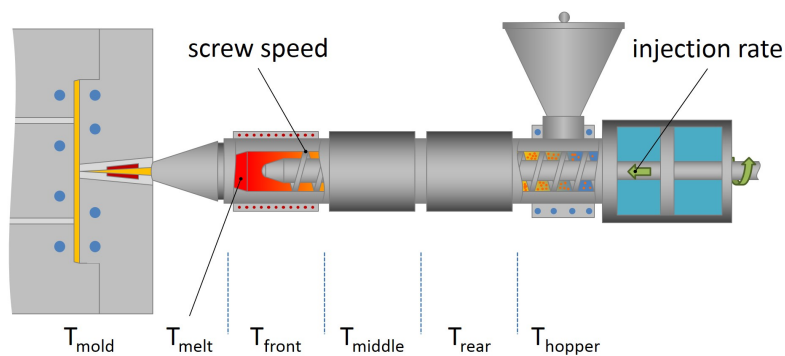
Additional Information

- 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
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
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.