Technical Data Sheet

SCHULABLEND® (PA/ABS) M/MK 6201 MT

Acrylonitrile Butadiene Styrene + PA
Engineering Plastics

Product Description
Nanocomposite based on a ABS/PA-Blend for high dimensional stability. Available with and without UV stabilization. (Former name: M/MK NC800)

General	
Features	• Good Dimensional Stability
UL File Number	• E86615
Processing Method	• Injection Molding

Physical	Dry	Conditioned	Unit	Test Method
Density	1.14	--	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	5.00	--	cm³/10min	ISO 1133
Molding Shrinkage - Flow	0.80	--	%	ISO 294-4
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	363000 (2500)	181000 (1250)	psi (MPa)	ISO 527-2/1A/1
Tensile Stress (Yield)	5660 (39.0)	4060 (28.0)	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	3.0	14	%	ISO 527-2/1A/50
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	7.1 (15)	--	ft·lb/in² (kJ/m²)	
73°F (23°C)	12 (25)	54 (110)	ft·lb/in² (kJ/m²)	
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 358/30)	12300 (85.0)	--	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	171 (77.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	381 (194)	--	°F (°C)	ISO 306/A50
--	270 (132)	--	°F (°C)	ISO 306/B50

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Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	> 1.0E+15	> 1.0E+12	ohms	IEC 60093
Volume Resistivity	> 1.0E+13	> 1.0E+10	ohms·m	IEC 62631-3-1
Flammability	**Dry**	**Conditioned**	**Unit**	**Test Method**
Burning Rate				
0.0787 in (2.00 mm)	1.1 (27)	--	in/min (mm/min)	ISO 3795
0.0787 in (2.00 mm)	1.1 (27)	--	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	--		
Glow Wire Flammability Index				IEC 60695-2-12
0.06 in (1.5 mm)	1200 (650)	--	°F (°C)	
0.12 in (3.0 mm)	1200 (650)	--	°F (°C)	
Glow Wire Ignition Temperature				IEC 60695-2-13
0.06 in (1.5 mm)	1250 (675)	--	°F (°C)	
0.12 in (3.0 mm)	1250 (675)	--	°F (°C)	

Additional Information

1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

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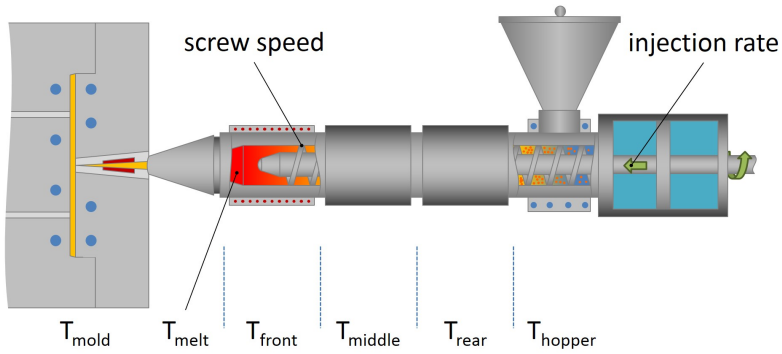

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

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