Technical Data Sheet

SCHULABLEND® (ASA/PA) M/MW 5501 U

Acrylonitrile Styrene Acrylate + PA
Engineering Plastics

Product Description
Good flowing ASA/PA 6-blend with high UV-stability. Material with low gloss level. Applications: automotive interior. (Former name: SCHULABLEND® M/MW UV K2325)

General			
Features	• Good Surface Finish • Light Stabilized	• Low Emissions • Low Gloss	• UV Stabilized
RoHS Compliance	• RoHS Compliant		
Processing Method	• Injection Molding		

Physical	Dry	Conditioned	Unit	Test Method
Density	1.10	--	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR)				ISO 1133
250°C/5.0 kg	3.00	--	cm³/10min	
260°C/5.0 kg	12	--	cm³/10min	
Molding Shrinkage	0.80 to 1.2	--	%	ISO 294-4

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	261000 (1800)	109000 (750)	psi (MPa)	ISO 527-2/1A/1
Tensile Stress (Yield)	6380 (44.0)	5080 (35.0)	psi (MPa)	ISO 527-2/1A/50
Tensile Strain (Yield)	3.2	60	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	> 100	170	%	ISO 527-2/1A/50

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	8.6 (18)	--	ft·lb/in² (kJ/m²)	
73°F (23°C)	48 (100)	50 (110)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				
-22°F (-30°C)	No Break	--		ISO 179
73°F (23°C)	No Break	No Break		ISO 179/1eU

Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	14500 (100)	--	psi (MPa)	ISO 2039-1

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Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
66 psi (0.45 MPa), Unannealed	210 (99.0)	--	°F (°C)	ISO 75-2/B
264 psi (1.8 MPa), Unannealed	133 (56.0)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	401 (205)	--	°F (°C)	ISO 306/A50
--	243 (117)	--	°F (°C)	ISO 306/B50
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)	0.83 (21)	--	in/min (mm/min)	ISO 3795
0.0787 in (2.00 mm)	0.83 (21)	--	in/min (mm/min)	FMVSS 302
Flame Rating				UL 94
0.06 in (1.5 mm)	HB	--		
0.12 in (3.0 mm)	HB	--		

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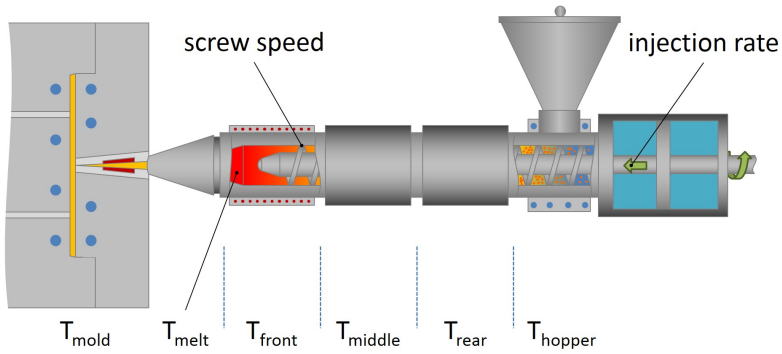

Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	4.0 hr	4.0 hr
Processing (Melt) Temp	446 to 518 °F	230 to 270 °C
Mold Temperature	104 to 176 °F	40 to 80 °C

Notes

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