HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

SCHULABLEND® (PA/PP) M/MO 7101 GF8

Polyamide + PP
Engineering Plastics

Product Description	
8% glass fibre reinforced PA6/PP blend with excellent chemical resistance. (Former name: SCHULABLEND® M/MO GF8)	

General		
Filler / Reinforcement	• Glass Fiber, 8.0% Filler by Weight	
Features	• Chemical Resistant	
Automotive Specifications	• GM QK 001266 Type A Color: 96.8001 Black	• IMDS ID 4469874 Color: 96.8001 Black
Processing Method	• Injection Molding	
Resin ID (ISO 1043)	• PA6-PP-GF	

Physical	Dry	Conditioned	Unit	Test Method
Density	1.09	--	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR)				ISO 1133
250°C/2.16 kg	7.00	--	cm³/10min	
250°C/5.0 kg	20	--	cm³/10min	
Molding Shrinkage				
Across Flow	1.4	--	%	ISO 294-4
Flow	0.80	--	%	FMVSS 302

Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	580000 (4000)	363000 (2500)	psi (MPa)	ISO 527-2/1A/1
Tensile Stress (Break)	11600 (80.0)	7540 (52.0)	psi (MPa)	ISO 527-2/1A/5
Tensile Strain (Break)	3.5	15	%	ISO 527-2/1A/5

Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-22°F (-30°C)	2.4 (5.0)	--	ft·lb/in² (kJ/m²)	
73°F (23°C)	3.3 (7.0)	4.8 (10)	ft·lb/in² (kJ/m²)	
Charpy Unnotched Impact Strength				ISO 179/1eU
-22°F (-30°C)	20 (42)	--	ft·lb/in² (kJ/m²)	
73°F (23°C)	22 (46)	30 (62)	ft·lb/in² (kJ/m²)	

Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	19900 (137)	--	psi (MPa)	ISO 2039-1

HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

SCHULABLEND® (PA/PP) M/MO 7101 GF8

Polyamide + PP
Engineering Plastics

Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
66 psi (0.45 MPa), Unannealed	392 (200)	--	°F (°C)	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	221 (105)	--	°F (°C)	ISO 75-2/Af
Vicat Softening Temperature				
--	419 (215)	--	°F (°C)	ISO 306/A50
--	313 (156)	--	°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)	1.2 (31)	--	in/min (mm/min)	ISO 3795
0.0787 in (2.00 mm)	1.2 (31)	--	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

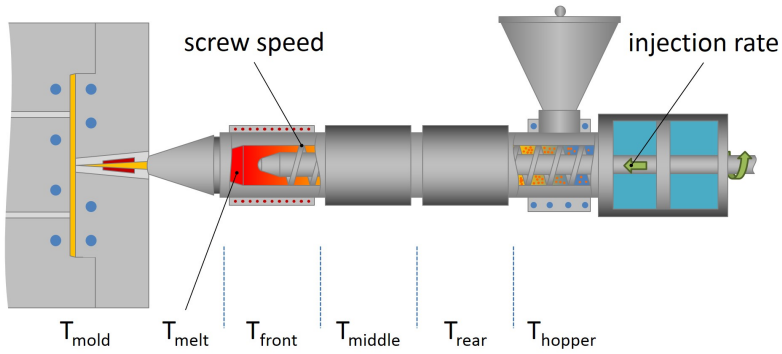
1.) Not for use in food contact applications
2.) Not for use in medical or pharmaceutical applications

HK:+852-69575415 China GuangDong:+13538586433 ShangHai:+18816996168

Technical Data Sheet

SCHULABLEND® (PA/PP) M/MO 7101 GF8

Polyamide + PP
Engineering Plastics



Injection	Dry (English)	Dry (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
Suggested Max Moisture	0.04 to 0.10 %	0.04 to 0.10 %
Processing (Melt) Temp	464 to 518 °F	240 to 270 °C
Mold Temperature	140 to 194 °F	60 to 90 °C

Notes

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