

SCHULABLEND® (PA/PP) M/MO 7101 GF8

Polyamide + PP
A. Schulman Europe

Message:
8% glass fibre reinforced PA6/PP blend with excellent chemical resistance

General Information				
Filler / Reinforcement		Glass fiber reinforced material, 8.0% filler by weight		
Features		Good chemical resistance		
Processing Method		Injection molding		
Resin ID (ISO 1043)		PA6-PP-GF		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.09	--	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	7.00	--	cm ³ /10min	ISO 1133
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/30)	120	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2800	2600	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	47.0	46.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	5.4	8.9	%	ISO 527-2/1A/5
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	5.0	--	kJ/m ²	ISO 179/1eA
23°C	10	12	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	44	--	kJ/m ²	ISO 179/1eU
23°C	50	61	kJ/m ²	ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	195	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	99.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	215	--	°C	ISO 306/A50
--	156	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	31	--	mm/min	ISO 3795

Flammability Classification				IEC 60695-11-10, -20
1.5 mm	HB	--		IEC 60695-11-10, -20
3.0 mm	HB	--		IEC 60695-11-10, -20
Glow Wire Flammability Index				IEC 60695-2-12
1.5 mm	650	--	°C	IEC 60695-2-12
3.0 mm	650	--	°C	IEC 60695-2-12
Glow Wire Ignition Temperature				IEC 60695-2-13
1.5 mm	675	--	°C	IEC 60695-2-13
3.0 mm	675	--	°C	IEC 60695-2-13

Additional Information

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Not for use in food contact applications2.)

Not for use in medical or pharmaceutical applications

Injection	Dry	Unit
Drying Temperature	80	°C
Drying Time	3.0 - 4.0	hr
Suggested Max Moisture	0.040 - 0.10	%
Processing (Melt) Temp	240 - 270	°C
Mold Temperature	60 - 90	°C

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