

Technical Data Sheet

SCHULABLEND® (PA/PP) M/MO 7101 GF15

Polyamide + PP
Engineering Plastics

Product Description

15% glass fibre reinforced PA-PP-blend with excellent chemical resistance and low dependence of humidity. (Former name: SCHULABLEND® M/MO GF15)

General

Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight
Features	• Chemical Resistant
Processing Method	• Injection Molding
Part Marking Code (ISO 11469)	• >PA6+PP-GF<

Physical	Nominal Value (English)	Nominal Value (SI)	Test Method
Density	1.12 g/cm³	1.12 g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	10 cm³/10min	10 cm³/10min	ISO 1133
Molding Shrinkage			ISO 294-4
Across Flow	1.2 %	1.2 %	
Flow	0.50 %	0.50 %	

Mechanical	Nominal Value (English)	Nominal Value (SI)	Test Method
Tensile Modulus	754000 psi	5200 MPa	ISO 527-2/1A/1
Tensile Stress (Break)	13100 psi	90.0 MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.5 %	3.5 %	ISO 527-2/1A/5

Impact	Nominal Value (English)	Nominal Value (SI)	Test Method
Charpy Notched Impact Strength (73°F (23°C))	6.7 ft·lb/in²	14 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength 73°F (23°C)	19 ft·lb/in²	40 kJ/m²	ISO 179/1eU

Thermal	Nominal Value (English)	Nominal Value (SI)	Test Method
Heat Deflection Temperature			
66 psi (0.45 MPa), Unannealed	361 °F	183 °C	ISO 75-2/Bf
264 psi (1.8 MPa), Unannealed	302 °F	150 °C	ISO 75-2/Af
Vicat Softening Temperature			
--	410 °F	210 °C	ISO 306/A50
--	304 °F	151 °C	ISO 306/B50

Electrical	Nominal Value (English)	Nominal Value (SI)	Test Method
Surface Resistivity	> 1.0E+15 ohms	> 1.0E+15 ohms	IEC 60093
Volume Resistivity	> 1.0E+13 ohms·m	> 1.0E+13 ohms·m	IEC 62631-3-1

Flammability	Nominal Value (English)	Nominal Value (SI)	Test Method
Burning Rate			
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	ISO 3795
0.0787 in (2.00 mm)	< 3.9 in/min	< 100 mm/min	FMVSS 302
Flammability Classification			IEC 60695-11-10, -20
0.06 in (1.5 mm)	HB	HB	
0.12 in (3.0 mm)	HB	HB	

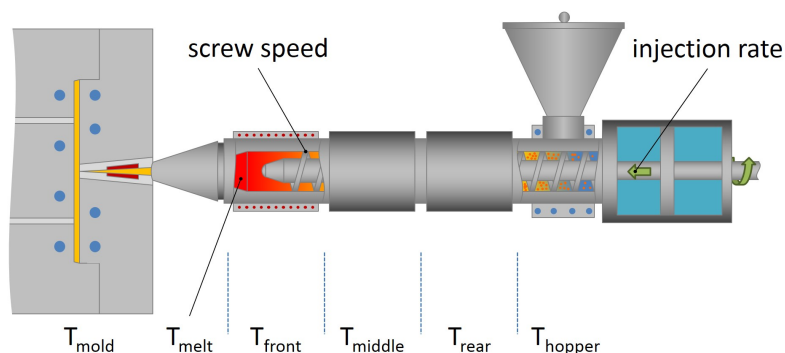
Additional Information

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

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Injection	Nominal Value (English)	Nominal Value (SI)
Drying Temperature	176 °F	80 °C
Drying Time	3.0 to 4.0 hr	3.0 to 4.0 hr
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.