

SCHULABLEND® (PA/PP) M/MO 5101

Polyamide + PP
A. Schulman Europe

Message:
PA6/PP blend with excellent chemical resistance

General Information				
Features		Good liquidity		
		Good chemical resistance		
Processing Method		Injection molding		
Resin ID (ISO 1043)		PA6-PP		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.01	--	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	11.0	--	cm³/10min	ISO 1133
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	1800	1100	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	50.0	38.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	5.0	21	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	6.0	--	kJ/m²	ISO 179/1eA
23°C	11	15	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	49	--	kJ/m²	ISO 179/1eU
23°C	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	119	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	55.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	202	--	°C	ISO 306/A50
--	120	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Test Method	
Flammability Classification (1.6 mm)	HB	--	IEC 60695-11-10, -20	
Additional Information				

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1.)

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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