

SCHULABLEND® (ASA/PA) M/MW 5201 MT SF

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Acrylonitrile Styrene Acrylate + PA
A. Schulman Europe

Message:
Nanocomposite based on ASA/PA6 blend with good dimensional stability, high flow, UV stabilized

General Information			
Processing Method	Injection molding		
Resin ID (ISO 1043)	ASA+PA		
Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	20.3	cm³/10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3240	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/50
Yield	50.5	MPa	ISO 527-2/1A/50
Fracture	48.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	2.8	%	ISO 527-2/1A/50
Nominal Tensile Strain at Break	25	%	ISO 527-2/1A/50
Flexural Modulus ¹	3000	MPa	ISO 178
Flexural Stress ²	75.6	MPa	ISO 178
Flexural Strain at Flexural Strength	5.1	%	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	38	kJ/m²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	106	°C	ISO 75-2/Bf
1.8 MPa, not annealed	70.0	°C	ISO 75-2/Af
Vicat Softening Temperature	120	°C	ISO 306/B50
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	4.0	hr	
Suggested Max Moisture	0.040 - 0.10	%	

Processing (Melt) Temp	230 - 270	°C
Mold Temperature	40 - 80	°C
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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