

SCHULABLEND® (ASA/PA) M/MW 6201 MT

Acrylonitrile Styrene Acrylate + PA

A. Schulman Europe

Message:

Nanocomposite based on ASA/PA6 blend with good dimensional stability, high impact strength

General Information				
Features		Good dimensional stability		
Processing Method		Injection molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.18	--	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	6.00	--	cm ³ /10min	ISO 1133
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness (H 358/10)	101	--	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3100	1900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	51.0	34.0	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	3.1	4.7	%	ISO 527-2/1A/50
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	4.0	--	kJ/m ²	ISO 179/1eA
23°C	10	19	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	75	--	kJ/m ²	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	96.0	--	°C	ISO 75-2/Bf
1.8 MPa, not annealed	78.0	--	°C	ISO 75-2/Af
Vicat Softening Temperature				
--	184	--	°C	ISO 306/A50
--	110	--	°C	ISO 306/B50
Flammability	Dry	Conditioned	Unit	Test Method
Burning Rate (2.00 mm)	30	--	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	675	--	°C	IEC 60695-2-12
3.0 mm	675	--	°C	IEC 60695-2-12
Glow Wire Ignition Temperature				IEC 60695-2-13
1.5 mm	700	--	°C	IEC 60695-2-13
3.0 mm	700	--	°C	IEC 60695-2-13

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	4.0		hr
Suggested Max Moisture	0.040 - 0.10		%
Processing (Melt) Temp	230 - 270		°C
Mold Temperature	40 - 80		°C

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