

SCHULABLEND® SCHULABLEND® (ABS/PA)

M/MK 7102 GF20

Acrylonitrile Butadiene Styrene + PA

A. Schulman Europe

Message:

20% glass fibre reinforced ABS/PA blend

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Processing Method	Injection molding		
Part Marking Code (ISO 11469)	>ABS+PA-GF		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (250°C/5.0 kg)	3.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	5000	MPa	ISO 527-2/1A/1
Tensile Stress (Break)	77.0	MPa	ISO 527-2/1A/5
Tensile Strain (Break)	3.0	%	ISO 527-2/1A/5
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	5.0	kJ/m ²	ISO 179/1eA
23°C	9.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	34	kJ/m ²	ISO 179/1eU
23°C	36	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	179	°C	ISO 75-2/Bf
1.8 MPa, not annealed	130	°C	ISO 75-2/Af
Vicat Softening Temperature			
--	213	°C	ISO 306/A50
--	150	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	ISO 3795
Flammability Classification (1.5 mm)	HB		IEC 60695-11-10, -20
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	%
Suggested Max Regrind	20	%
Processing (Melt) Temp	230 - 270	°C
Mold Temperature	40 - 80	°C

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Recommended distributors for this material

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