



## Technical Data Sheet

INTRODUCTION	<p>AF-needles glass fiber mats are made of E-glass (glass with alkali content of &lt; 1.0%) fibers with thermal resistance of 600°C   1112°F. E-glass fiber needles mats are non-toxic and non-combustible. They have low acoustic permeability, low electric conduction, so not rot, and are good protection from corrosion.</p> <p><b>Application:</b> Glass fiber mats can be used as heat and acoustic insulation materials in various branches of industry—automotive, shipbuilding, building, household goods and power plants.</p>					
PHYSICAL PROPERTIES	<b>Characteristic</b>	<b>Metric System</b>		<b>US System</b>		<b>Test Method</b>
		<b>Unit</b>	<b>Value</b>	<b>Unit</b>	<b>Value</b>	
	Mass per unit area <sup>1)</sup> Tolerance $\pm 10\%$	g/m <sup>2</sup>	1500	oz/yd <sup>2</sup>	44.3	ISO 3374
	Thickness <sup>2)</sup> Mean Value	mm	10 $\pm$ 1	in	0.39 $\pm$ 0.04	Comp. Method PP-RA.2-F03
	Single Values	mm	7 - 12	in	0.28 – 0.47	
	Specific weight, nom	Kg/m <sup>3</sup>	150	lb/ft <sup>3</sup>	9.4	
	Binding	Non				
Combustibility	Non-combustible				DIN 4102	
DIMENSION AND PACKAGING	Width <sup>3)</sup>	cm	100 $\pm$ 1	in	39.0 $\pm$ 0.4	EN 1773
	Roll length <sup>4)</sup>	m	20	yd	22	
	Packing	Mats wound on the core with inside diameter 76 mm   3 in. Each roll wrapped in the plastic film. Rolls fastened on the wooden pallets. Pallets wrapped in the plastic film.				
	Transporting	Covered means of transport				
	Storage	In clean and dry storage places. Goods have to be stored in the producer's packing.				
ADDITIONAL INFORMATION	<p>1) The tolerance is determined for the test samples (316 x 316) mm   (12.4 x 12.4) in.</p> <p>2) Measuring device with 25 cm<sup>2</sup>   3.8 in<sup>2</sup> measuring area; pressure – 10 g/cm<sup>2</sup>   2.3 oz/in<sup>2</sup>.</p> <p>3) Width up to 200 cm   78 in and other roll lengths are available upon request.</p>					



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