

E-GLASS FIBRE NEEDLED MAT

AF-4000-25

TECHNICAL DATA SHEET
F07 / 08MAY2018

INTRODUCTION	<p>AF-needed glass fibre mats are made of E-glass (glass with alkali content of < 1.0 %) fibres with thermal resistance of 600 °C 1112 °F. E-glass fibre needled mats are non-toxic and non-combustible. They have low acoustic permeability, low electric conduction, do not rot, are good protection from corrosion.</p> <p>Application: 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	Characteristic	Metric System		US System	
Unit			Value	Unit	Value	
Mass per unit area ¹⁾ Tolerance ± 12 %		g/m ²	4000	oz/yd ²	118.0	ISO 3374
Thickness ²⁾ Mean value Single values		mm mm	25 ± 2 20 – 28	in in	1.00 ± 0.08 0.79 – 1.10	Comp. Method PP-RA.2-F03
Specific weight, nom		kg/m ³	160	lb/ft ³	10	
Binding		Non				
Combustibility	Non combustible				DIN 4102	
DIMENSIONS AND PACKAGING	Width ³⁾	cm	100 ± 1	in	39.0 ± 0.4	EN 1773
	Roll length ³⁾	m	10	yd	10.9	
	Packing	Mats wound on the core with inside diameter 76 mm 3 in. Each roll wrapped in plastic film. Rolls fastened on wooden pallets. Pallets wrapped in 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. 2) Measuring device with 25 cm² 3.8 in² measuring area; pressure – 10 g/cm² 2.3 oz/in². 3) Width up to 170 cm 67 in and other roll lengths are available upon request. Needled mats are produced in compliance with the requirements of the RoHS European Directive 2011/65/EC.</p>					