



Technical Data Sheet

INTRODUCTION	<p>Needled mats with designation KF are made of high silica glass fibres. High silica glass fibre materials have low thermal conductivity, are inert to the majority of chemical reagents, resistant to organic and mineral acids (except hydrofluoric and phosphoric), weak alkali, water and high-pressure steam.</p> <p><b>Application:</b> various branches of industry, where heat resistant (up to 1000°C   1832°F) materials are required, such as automotive, shipbuilding, air transport and others.</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>	600	oz/yd <sup>2</sup>	17.7	ISO 3374
	Thickness <sup>2)</sup> Mean Value	mm	4 $\pm$ 1	in	0.16 $\pm$ 0.04	Comp. Method PP-RA.2-F03
	Single Values	mm	2 - 6	in	0.08 – 0.24	
	Specific weight, nom	Kg/m <sup>3</sup>	150.0	lb/ft <sup>3</sup>	9.4	
	Content of main components, %	SiO <sub>2</sub>	95.0 $\pm$ 1.0			Comp. Method PP-RA.2-K05
		Al <sub>2</sub> O <sub>3</sub>	3.5 $\pm$ 0.5			
	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	50	yd	55	
	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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