

ISOVER-Needled Felt Insulation Material TN/AF 1225

ISOVER needled felt is mechanically bound by the needling of shot-free glass wool insulation material
 Free of all carcinogenic risk according to the German Ordinance on hazardous substances and EU-directive 97/69/EC (nota Q)
 Needled felts can be delivered unfaced or faced on one side with aluminium foil (anorganic adhesive), in the form of punched parts or cut to size.

Fields of application	Thermal insulation, e.g. cookers, ovens, large kitchen appliances				
Product type	TN/AF 1225, one side faced with aluminium foil (20 µm), with Avivage F grammes per sqare meter: 1200 g/m ² , thickness: 20 mm (recognizable in the product code)				
Tolerances	grammes per square meter :	+/- 10 %			
	length / width:	+/- 2 % (after smoothing of surface)			
	thickness:	+/- 3 mm (test load 0,05 kN/m ² , measuring plate 200 x 200 mm according to DIN EN 823			
	punchings:	+ / - 2 mm			
Fire behavior	non combustible , class A according to DIN 4102				
Mechanical properties	flexible, adjustable to uneven surfaces. Sufficiently firm for further treatment and assembly				
Thermal characteristics	applicable up to 500° C, dimensional stability under changes of temperature Evaluation of the acute toxicity of inhalation: unriskey according to DIN 53436. Emission of formaldehyde ≤ 10 mg/kg during test in tube furnace at 350 °C. No separation of methylisocyanate according OSHA methode 54				
Specific heat absorption	0,84 kJ/(kg•K)				
Thermal conductivity as a function of the mean temperature according 52612 for TN/AF 1225					
t_m [°C]	50	100	150	200	250
λ_{N,P} [mW/(m•K)]	35,4	42,7	51,5	61,9	73,9

ISOVER is certified according to DIN EN ISO 9001 and DIN EN ISO 14001

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