



Glass Wool Needled Mat



Cooking Ovens Insulation

ISOVER needled mat is designed to provide high insulating efficiency in household and industrial ovens.



LOW EMISSIONS

Complies with the most stringent regulations on VOC emissions



HIGH FLEXIBILITY

Fast and easy installation, flexibility around the cavity



HIGH SERVICE TEMPERATURES

Service temperature up to 550 °C



THERMAL INSULATION

Excellent thermal insulation for maximum efficiency and low energy consumption of the oven

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CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Thermal conductivity	T	[°C]	10	50	100	150	200	250	EN 12667
	λ_{NP}	[W/(m·K)]	0.030	0.035	0.041	0.049	0.057	0.066	
Thermal behaviour	-	[°C]	Service temperature reaches 500 °C in continuous service, up to 550 °C maximum by intermittence, with stable dimensions						-

CHARACTERISTIC	SYMBOL	UNIT	QUANTITIES AND DECLARED VALUES						STANDARD
Specific thermal capacity	c	kJ/(kg·K)	1.00						-
Reaction to fire	-	-	Non combustible, fire class A1						EN 13501
Chemical behaviour	-	-	Binder free, which helps complying with the most stringent regulations on VOC emissions Formaldehyde emissions < 10 mg/kg Free of sulfite, chromium and sulphur Complies with RoHS directive Free of PFAS						-
Application field	-	-	ISOVER needled mat is a thermal insulation felt material made from glass wool, mechanically consolidated by means of needling The glass wool needled mat does not contain slugs						-
Material	-	-	Glass wool with quality mark EUCEB & RAL by the Gütegemeinschaft Mineralwolle e. V., unrisky regarding health according to German decree on dangerous substances, decree on prohibition of chemicals and to guideline EU 97/69 Nota Q						-
Facing	-	-	Facing available upon request: Aluminium foil						-
Non corrosive	-	-	Non corrosive according to standard IEC 60335-1						IEC 60335-1
Delivery form	-	-	Thicknesses: 10 to 40 mm Available in roll or panel shape Panels can be cut to size and stamped with a customized design Packaging: - Closed polyethylene bag for rolls - Pallets and carton boxes for stamped slabs Products must be stored in covered areas						-



www.isover-technical-insulation.com

The technical information corresponds to our present state of knowledge and experience at the date of printing (see imprint). But no legal guarantee can be given, unless it has been explicitly agreed. The state of experience and knowledge is developing continuously. Please see to it that you always use the latest edition of this information. The described product applications do not take special circumstances in consideration. Please verify whether our products are appropriate for the concrete application. For further information please contact our Isover sales offices. We deliver only according to our terms of trade and terms of delivery.

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