



## Isover Glass Wool needled mat

### Cooking ovens

#### Application:

Isover needled mat is designed to provide high insulating efficiency in household and commercial ovens.

It is also used for Filtration and Absorption.

#### Description:

Isover needled mat is a thermal insulation felt material made from TEL glass wool, mechanically consolidated by means of needling.

It is binder free, with prevents from any VOC emissions.

The Glass Wool needled mat does not contain slugs.

An anti-dust additive (maximum 0.5% by weight) is included to enhance handling.

#### Material:

Mineral wool unriskey regarding health according to guideline EU 97/69 Nota Q, German decree on dangerous substances and decree on prohibition of chemicals. Mineral wool with quality mark RAL by the Gütegemeinschaft Mineralwolle e. V.

Free of sulfite, chromium and sulphur.



#### Thermal performances:

Thermal conductivity  $\lambda$  [W/(m.°K)], according EN 12 667

T [°C]	150	200	250
Needled mat 40 kg/m <sup>3</sup>	0.054	0.065	0.081
Needled mat 60 kg/m <sup>3</sup>	0.050	0.059	0.070
Needled mat 80 kg/m <sup>3</sup>	0.047	0.055	0.064
Needled mat 100 kg/m <sup>3</sup>	0.043	0.055	0.063

Specific thermal capacity C around 1 kJ/(kg.K).

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### Service temperature:

Service temperature up to 500 °C in continuous service, up to 550 °C maximum by intermittence, with stable dimensions.  
Anti-dust additive evaporates at 150 °C



### Fire reaction:

Non combustible, fire class A1, according EN 13 501 (CSTB test report n° RA 02-0200).

### Characteristics / Dimensions / Packaging:

- Densities: 40 to 100 Kg/m<sup>3</sup> according to thicknesses.
  - Thicknesses: 10 to 38 mm.
  - Dimensions: Available in roll or panel shape.
- Please consult us for sizes as these vary according to densities and thicknesses.

Panels can be cut to size by stamping to fit objects of irregular dimensions.

- Possible facing: Aluminium foil 30 µm glued with silicate adhesive.
- Packaging: Closed polyethylene bag for rolls. Pallets and cartons for stamped slabs.

Products shall be used within 2 months after their production date.



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