KNAUF INSULATION DAP NFS A

Needled felts for electric or gas ovens.

DESCRIPTION

Knauf insulation DAP NEEDLED FELT A (DAP NFSA) products are made of long mineral wool fibres specially needled to form a compact, dimensionally-stable felt with high temperature stability and optimal thermal insulation properties. Due to its insulation performance standards, it can be used for insulating classic or convection, electric or gas ovens that meet or exceed energy efficiency Classes A++ / A+ / A. Product dimensions, sections and facing options can all be adapted to customer requirements.

Owing to the unique fibre bonding process, the felts do not contain organic binders or process aids and therefore comply with LGA test for contaminants, valid for mineral fibres in cookers and ovens. With this special production process we are able to guarantee that no emissions of odorous and/or harmful substances are emitted during the use of ovens and cookers even at the highest temperatures.

Needled felts are tested for the presence of the restricted substances and comply to the RoHS directive and REACH regulation.

PERFORMANCE

Maximum service temperature
DAP NFS A has a maximum service temperature of 750 °C

Thermal insulation
Optimal thermal insulation properties ensure ideal energy efficiency and energy consumption

Certified quality
LGA Certified
Complies with RoHS Directive
Complies with REACH Regulation

APPLICATION

Insulation of classic or convection, electric or gas ovens that meet or exceed energy Class A++ / A+ / A standards.

BENEFITS

- High temperature stability and resistance
- Thermal insulation properties ensure optimal energy efficiency and energy consumption
- Non-corrosive insulation material (AS Quality)
- Fire protection (European Class A1) – material melting point above 1000 °C
- Fire Hazard Classification FHC 0/0
- No organic binders
- Emission-free
- Custom forms and sections

STANDARD

Technical properties of Knauf Insulation DAP NFS A are declared in accordance with EN 14303.


CERTIFICATES

- RAL
- EUCEB
- TÜV Rheinland
- LGA
- RoHS 2
HanDlInG & storAge

Knauf Insulation DAP NFS A is packed on a wooden, plastic or metal pallet. Felts are covered with PE foil or wrapped twice with stretch foil, which is designed for short-term protection only. It is recommended to store the product either indoors, or under a cover and off the ground, for a maximum of up to 12 months.

If the material becomes damp on location, ensure the moisture evaporates before placing the felts into a manufacturing process.

The performance of DAP NFS A depends on the customer’s manufacturing process. Individual customers must optimize and control their manufacturing process to ensure the material meets the requirements of their manufacturing process and their final product.

TECHnICAL PRoPERtIEs

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit</th>
<th>Standard</th>
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</thead>
<tbody>
<tr>
<td>Reaction to fire</td>
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<td>Euroclass A1</td>
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<td>EN 13501-1</td>
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<tr>
<td>Melting point</td>
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<td>°C</td>
<td>DIN 4102/T17</td>
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<td>Thermal conductivity in relation to temperature ([ϑ/λ]) EN 14303</td>
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<td>W/mK</td>
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1) CFS – Calculated Flame Spread
2) FSI – Flame Spread Index
3) CSD – Calculated Smoke Developed
4) SDI – Smoke Developed Index

HANDLING & STORAGE

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