KNAUF INSULATION DAP OI

Glass mineral felts for electric or gas ovens, with or without self-cleaning function.

DESCRIPTION

Knauf Insulation DAP OVEN INSULATION (DAP OI) is a high-temperature thermal and sound-absorbent glass mineral wool felt composed of inorganic glass fibres and bonded with a revolutionary ECOSE® Technology binder derived primarily from rapidly renewable materials and with no added formaldehyde. Product dimensions, sections, die-cuts and facing options can all be adapted to individual customer requirements.

Due to the revolutionary ECOSE® Technology, Knauf Insulation DAP OI products do not produce any unpleasant odour upon initial ignition of the oven.

Mineral felts are tested for the presence of restricted substances and comply with the RoHS directive.

PERFORMANCE

Maximum service temperature
DAP NFS OI has a maximum service temperature of 550 °C

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

Certified quality
Complies with RoHS Directive

APPLICATION

Insulation of electric or gas ovens with or without a self-cleaning function that meet or exceed energy Class A, A+ and A++ standards.

STANDARDS

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


CERTIFICATES

www.oem.knaufinsulation.com
KNAUF INSULATION DAP OI

TECHNICAL PROPERTIES

<table>
<thead>
<tr>
<th>Characteristics</th>
<th>Symbol</th>
<th>Value</th>
<th>Unit</th>
<th>Standard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reaction to fire</td>
<td>-</td>
<td>Euroclass A1</td>
<td>-</td>
<td>EN 13501-1</td>
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<tr>
<td>Max. service temperature</td>
<td>ST(+)</td>
<td>550</td>
<td>°C</td>
<td>EN 14706</td>
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<tr>
<td>Water soluble chloride ions</td>
<td>-</td>
<td>≤10</td>
<td>mg/kg</td>
<td>EN 13468</td>
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<tr>
<td>Thermal conductivity in relation to temperature (B/A)</td>
<td>T_m</td>
<td>Density</td>
<td>50</td>
<td>100</td>
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<tr>
<td></td>
<td>λ</td>
<td>20 kg/m³</td>
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<td>0.048</td>
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<td>25 kg/m³</td>
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<td>0.046</td>
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<td>30 kg/m³</td>
<td>0.036</td>
<td>0.043</td>
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</table>

HANDLING & STORAGE

Knauf Insulation DAP OI is packed on a wooden or plastic 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 OI 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.

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