

## KNAUF INSULATION DAP OI

December 2017

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



### PERFORMANCE

#### Maximum service temperature

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

#### Thermal insulation

Optimal thermal insulation properties ensures 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.

### CERTIFICATES



### 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.



### BENEFITS

- ✓ Thermal insulation properties ensure optimal energy efficiency and energy consumption
- ✓ Good temperature stability and resistance
- ✓ No unpleasant odour upon ignition of oven
- ✓ Non-corrosive insulation material (AS Quality)
- ✓ Fire protection (Euroclass A1)
- ✓ Custom forms and sections

### STANDARDS

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

Knauf Insulation DAP OI is manufactured in accordance with ISO 9001 Quality Management Systems, ISO 14001 Environmental Management Systems, ISO 50001 Energy Management Systems and OHSAS 18001 Occupational Health and Safety Management Systems as certified by Bureau Veritas.

## KNAUF INSULATION DAP OI

December 2017

### TECHNICAL PROPERTIES

Characteristics	Symbol	Value					Unit	Standard	
Reaction to fire	-	Euroclass A1					-	EN 13501-1	
Max. service temperature	ST(+)	550					°C	EN 14706	
Water soluble chloride ions	-	≤10					mg/kg	EN 13468	
Thermal conductivity in relation to temperature ( $\lambda$ ) EN 14303	$T_m$	<b>Density</b>	<b>50</b>	<b>100</b>	<b>150</b>	<b>200</b>	<b>250</b>	°C	EN 12667
	$\lambda$	20 kg/m <sup>3</sup>	0.037	0.048	0.061	0.076	0.094	W/mK	
		25 kg/m <sup>3</sup>	0.037	0.046	0.056	0.069	0.085		
		30 kg/m <sup>3</sup>	0.036	0.043	0.052	0.064	0.077		

### 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.



#### Knauf Insulation, d.o.o.

Trata 32, 4220 Škofja Loka, Slovenia

Tel: +386 (0)4 5114 100

Fax: +386 (0)4 5114 319

E-mail: oem@knaufinsulation.com

For more info visit:

[www.oem.knaufinsulation.com](http://www.oem.knaufinsulation.com)