



Biosoluble Fiber Felt

ICP FELT PE

DESCRIPTION

ICP Felt PE is manufactured from alkaline earth silicate wool, blended with specially selected organic binders to give flexible felts with exceptional characteristics. Our advanced felting process ensures a lightweight, high strength product enhanced by low thermal conductivity and exceptional handling characteristics. Insulfrax Felt is available in a range of thicknesses and sheet sizes. It has a face with a polyethylene film.



CHARACTERISTICS

- High temperature stability (up to 1200°C)
- Good handling strength
- Lightweight
- Excellent flexibility
- Easy to cut and shape

APPLICATIONS

- High temperature gaskets and seals
- Ingot mould liners
- Molten metal transfer systems (back-up insulation)
- Expansion joints

PRODUCT PARAMETERS

Physical properties

Classification temperature	1200 °C
Colour	blanco
Density	170 - 270 Kg/m ³
Specific Heat 600 °C	1,24 KJ/Kg K
Tensile Strenght	> 50 KPa
Melting Point	>1330 °C
Loss of Ignition (wt.%)	< 10

Thermal conductivity

Temp	W/m K
400°C	0,08
600°C	0,10
800°C	0,15
1000°C	0,20

Chemical Analysis

	Valores medios (% p/p)
SiO ₂	61 - 67
MgO	2,5 - 6,5
CaO	27 - 33
Others	< 0,2

AVAILABILITY

Thickness (mm)	Sheet sizes 1000 x 1250 mm	Sheets per box
3*	✓	32
6	✓	16
9	✓	10
12	✓	8
18	✓	5
25	✓	4
30	✓	3

* Other thicknesses / sizes may be available on request subject to minimum order requirements

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