Technical Data Sheet

Protecflam Industries
Edition 16/06/2026

Veriflam® SI10

Needle-punched silica felt

Description

Veriflam® SI10 is a needle-punched felt made from amorphous silica fibres, produced using a modern manufacturing process without the addition of binders. The base material consists of high-quality silica fibres, which give the product greater compactness, flexibility and resistance to the maximum operating temperature. The fibre diameter is greater than 6 microns and the filament length is approximately 50 mm. Odourless, it is chemically stable and offers good sound absorption. The silica fibre has an oxygen index (OI) of over 45%, giving it excellent resistance to flames and heat.

Colour: white

Use

Veriflam® SI10 is used in particular as a fire barrier for seats or as protection during welding or grinding work. Veriflam® SI10 is versatile and is used in the shipbuilding, marine and automotive industries, amongst others.

Handle with care.

Technical Data

Thickness: 10 mm
Width: 100 cm – Rolls of 25 m (equivalent to 25 m²)
Density: 130 kg/m³ ± 10%
Tensile strength (weft): 500 N/cm (DIN ISO 4606)

Thermal conductivities in W/mK (DIN EN 1094)

50°C	200°C	400°C	600°C	800°C	1000°C
0,045	0,060	0,104	0,172	0,263	0,377

Temperature resistance: 1000°C

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Fire Reaction

Tests are currently underway. Non-flammable in accordance with DIN 4102.

Storage

Store in a dry, well-ventilated area at temperatures between +5 °C and +23 °C for a maximum of 6 months after the date of manufacture. Store preferably in a cool, dry place. It is recommended that the felt is not exposed to UV light or high humidity.

Measured values

All technical specifications given in this product data sheet are based on laboratory tests. Circumstances beyond our control may result in deviations from the actual values.

Safety notes

For further details, please contact Protecflam Industries.

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