

“E-Glass Needle Mat”

Description

E-Glass needle mat is made of long fibres mechanically combined by a special needling method.

As it is produced from “E-Glass” fibre, it allows superior performance for the continuous operating conditions up to 550 °C. Because of its long fibre structure and special needling method used in its manufacturing process, it has high resistance against vibration.

Classification Temperature: 550 °C

The maximum use temperature depends on the application. Refer to our company for advice.

Features

- Shows excellent tensile resistance.
- Has a high dielectric coefficient.
- Resistant against chemicals.
- Does not generate dust even on the systems with high vibration.
- Does not contain a binder.
- Does not emit smoke and smell.
- Provides excellent sound insulation.
- Not harmful to human health.
- Contains very low chloride and fluoride.

Size (Width)

1000 mm and 1200 mm



Chemical Composition (%)

- SiO₂: 53 – 58
- Al₂O₃: 12 – 15
- CaO+MgO: 21 – 25
- B₂O₃: 12 – 15
- Other: Ignorable

Main Properties

Thickness (mm)	Length (m)	Weight (gr/m ²)	Density (kg/m ³)
5	50	650 ± 50	130
10	25	1500 ± 100	150
15	10	2250 ± 150	150
20	10	3200 ± 250	160
25	10	4000 ± 300	160

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.