

Ceramic fibre tape

Asbestos-free one-side self-adhesive ceramic fiber tape with high biopersistivity (biosolubility). Suitable for use as heat shield gaskets for very high temperature resistance applications.

Properties and applications

- Gaskets for fire safety and fire prevention equipment and facilities
- Suitable for use as thermal insulation or heat shield for very high temperature applications
- Temperature resistant up to 900 °C (melting point 1330 °C)
- Free of asbestos, high biopersistivity (decomposes in human body) – does not fall under 97/6/EG –App. Q
- Fire class A2-S1-d0 acc. to EN13501-1:2007: non-combustible, with some flammable content, corresponds to DIN-4102-1 fire class A2 and Swiss VKF fire application Nr. 22888
- One side self-adhesive for easy mounting
- Thickness: 4 mm



Technical data

Tape	Description
Material	Ceramic fibre (Ca-Mg silicate fibre)
Bulk Density DIN 53420	Approx. 190-210 kg/m ³
Temperature resistance	-20 °C to + 900 °C (short term max 1200 °C)
Tensile strength	> 650 kPa
Loss after combustion	ca. 8%
Fire Class	EN13501-1: A2-S1-d0 corresponds to DIN4102-1: A2 non-combustible with portion of combustible substances
Shrinkage	<2% after 24h @ 1000 °C
Thermal conductivity	0.05 W/mK at 200 °C 0.07 W/mK at 400 °C 0.11 W/mK at 600 °C 0.16 W/mK at 800 °C 0.23 W/mK at 1000 °C

Adhesive	Description
Material	Waterborne acrylate with nonwoven interlayer
Temperature resistance	-40 °C up to +100 °C
Liner	Siliconized 70 µm LDPE film
Ageing properties	Very good