

## Datasheet for Kera-Faserband bio

*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 & 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.
- Available thicknesses: 2, 3, 4, 5, 6, 8 and 10 mm.
- Available also as two side adhesive or non-adhesive.

### Technical Data Tape

Material	ceramic fiber (Ca-Mg silicate fiber)
Bulk Density DIN 53420	approx. 190-210 kg/m <sup>3</sup>
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

### Technical Data Adhesive

Adhesive	waterborne acrylate with nonwoven interlayer
Temperature Resistance	-40°C up to +100°C
Liner	siliconised 70 µm LDPE film
Ageing properties	very good

