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# JC MICA-F

JC MICA-F is suitable for applications where temperatures of up to 1000°C can be reached.

It is made from mica paper impregnated with a silicone binder. Mica is an aluminosilicate with lamellar, nonfibrous structure. Beside high temperature resistance, it also features a high chemical resistance to almost all media (exceptions are strong oxidizing chemicals).

JC MICA-F is used mainly in hot dry gas applications such as:

- exhaust manifolds
- gas turbines
- heat exchangers
- industrial burners.

## Technical data

Typical values for a thickness of 2 mm

| | | | |
|---|---|---|---|
| **Density** | DIN 28090-2 | g/cm3 | 1,9 |
| **Compressibility** | ASTM F 36/J | % | 20 |
| **Recovery** | ASTM F/36/J | % | 35 |
| **Loss on ignition** | DIN 52911 | % | <5 |
| **Stress resistance-16h,300°C** | DIN 52913 | N/mm2 | 40 |
| **Max. operating conditions** | | | |
| Max temperature | | °C | 1000 |
| Max Pressure | | bar | 5 |