

### COMPOSITION:



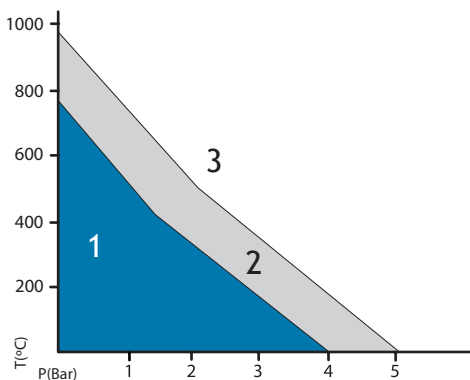
BELPA® MICA for high temperatures is made of shelly Mica compressed in sheets reinforced with perforated stainless steel 316 without binder. This material is suitable at high temperatures gaskets at low pressures and specially designed for services where high temperatures combined with fluids could promote the oxidising process of materials such as graphite.

Recommended for high temperature turbines, turbochargers, heat exchangers, hot dry gas applications and on the whole for high temperature services. In automotive industry is suitable to be used in exhaust manifolds and engines. It is also recommended for chemical, petrochemical industry and refining plants where high temperature operations are carried out (mainly pyrolysis and catalysis processes).

### TECHNICAL DATA

|   |                       |
|---|-----------------------|
| Standard sizes (mm)                         | 1000 x 1200           |
| Standard thickness (mm). Other upon request | 1.0; 1.5; 2.0; 3.0    |
| Density (+/-10%)                            | 2.0 g/cm <sup>3</sup> |
| Compressibility ASTM F-36                   | 25% - 30%             |
| Recovery ASTM F-36                          | >25%                  |
| Transverse tensile strength ASTM F-152      | 80 Mpa                |
| Gas permeability DIN 3535/4                 | 1.7 ml/s              |
| Creep Relaxation 50 Mpa/300 °C DIN 52913    | 30 Mpa                |
| * Typical properties for 2 mm thickness.    |                       |

### PRESSURE - TEMPERATURE DIAGRAM



#### P-T OPERATING GUIDELINES:

- 1- Usually satisfactory to use without reference to Montero. Technical examination is normally unnecessary.
- 2- Must refer to Montero for advice. A technical examination is recommended.
- 3- Area not recommended.

The P-T diagram helps the user or designer who often knows the operating temperature and pressure to carry out an initial selection of a suitable material. The P-T diagram cannot guarantee the suitability of a material for an application.

Good performance and long service life of gaskets depend in large measure on fitting and operation conditions, over which the manufacturer has no control. The data given on this technical sheet should not be used as application limits, but as guidance for an appropriate choice. We can offer guarantees only for the quality of our products.