ID MATERIALE:130

# SCHEDA TECNICA(Revisione 2011)

# BA-L

**(Particolari/Guarnizioni realizzate con processo di taglio da lastra con queste caratteristiche)**

Gasket material with excellent resistance to hot water, steam and oils. Specialy designed for Radiators and Boilers.
Bio-soluble Mineral and Aramide fibers, NBR.

## APPLICATION

Hight quality universal gasket material specialy designed for use in hot water radiators boilers. Also for general use at hight pressure, temperature and surface stress.
Combines hight torque retention, good chemical resistance, excellent sealability and excellent mechanical properties.
For sealing hot water, steam, oils, fuels, non-aggressive chemicals and many other media.

## DATI TECNICI

| | | | |
|---|---|---|---|
| Density | DIN 28090-2 | gr/cm3 | 1,8-2,0 |
| Compressibility | ASTM F 36/J | % | '5 - 8' |
| Recovery | ASTM F36/J | % | >50 |
| Tensile strength | DIN 52910 | MPa | ~ 9 |
| Specific Leak Rate | DIN 3535/6 | mg/(s x m) | 0,03 |
| Thickness increase in OIL IRM 903, 5h, 150 °C | ASTM F146 | % | < 7 |
| Stress resistance 16h, 50 Mpa, 300°C | DIN 52913 | MPa | 35 |
| Compression modulus | DIN 28090-2 | | |
| – at room temperature:eKSW | | % | '5-7' |
| – at elevated temperature:eWSW/200°C | | % | '6-10' |
| Percentage creep deformation | DIN 28090-2 | | |
| – at room temperature:eKRW | | % | >3,5 |
| – at elevated temperature:eWRW/200°C | | % | ~ 1,4 |
| Max operating Condictions* | | | |
| – Peak temperature | | °C | 350 |
| – Continuous temperature | | °C | 250 |
| – Continuous temperature with steam | | °C | 200 |
| – Pressure | | bar | 100 |

*Temperature and pressure represent maxximum values and should not be simultaneously. They are given only as guidance, since they depend not only on the type of gasket material but also on the assembly condiction. Very important factors are: thickness material, nature of service medium and type of flange and surface stress. Steam application requires special consideration.

## Surface treatment

Standard version of BA-L has specially designed non-stick top and bottom layer. Graphite or PTFE antistick coating on request.

## Dimension of standard sheet

Sheet size: 1000x1500 mm – 1500x1500 mm – 2000 x 2000 mm (Tollerance:+/- 50 mm)
Tickness: 0,5 mm – 1 mm - 1,5 mm -2 mm (Tollerance: <1mm (+/-0,1) - >= 1 mm +/- 10%)

ATTENZIONE: Valori ricavati da test eseguiti su normale giunto flangiato dove la superficie di appoggio è molto maggiore dello spessore. Per guarnizioni dalla fascia piccolina (Esempio raccorderia, ...) occorre fare i test sul campo.
*Values derived from tests performed on a normal flanged joint where the surface of the support is much greater than the thickness. For small-band gaskets (for example fittings, ...), specific application tests must be performed.*

**NOTE SULLE OMOLOGAZIONI IN GENERE AL SEGUENTE LINK:**
https://st.laguarnizione.it/?ID=DOC0003

**DICHIARAZIONI GENERICHE (Reach, Rosh,EUDR , BPA free, ... ) Al seguente link:**
https://st.laguarnizione.it/?ID=DOC0004