

## Technical Data Sheet

Fibracon<sup>®</sup> PTFE + 40% Bronze

[Characteristics compared to virgin PTFE]

## Product characteristics

- Improved thermal and electrical conductivity
- Reduced chemical resistance
- Reduced deformation under load

## Product applications

- Creep resistant components in high pressure hydraulic systems
- Wear resistant seals

|                              | Test method | Unit              | Guideline Value |
|------------------------------|-------------|-------------------|-----------------|
| <b>General properties</b>    |             |                   |                 |
| Density                      | ASTM D1457  | g/cm <sup>3</sup> | 3.0 - 3.2       |
| <b>Mechanical properties</b> |             |                   |                 |
| Hardness                     | ASTM D1706  | Shore D           | 59 - 63         |
| Tensile Strength (23°C)      | ASTM D1457  | N/mm <sup>2</sup> | >17             |
| Elongation at Break          | ASTM D1457* | %                 | >200            |
| <b>Thermal properties</b>    |             |                   |                 |
| Service Temperature          |             | °C                | -200 to +260    |

\*12mm initial gauge used.

This data provides typical values on a small selection of properties of the material and should only be used as a guide to the generic material performance.