Röchling

Industrial

# Technical Data Sheet

# Fibracon® 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 |
|---|---|---|---|
| **General properties** | | | |
| Density | ASTM D1457 | $g/cm^3$ | 3.0 - 3.2 |
| **Mechanical properties** | | | |
| Hardness | ASTM D1706 | Shore D | 59 - 63 |
| Tensile Strength (23°C) | ASTM D1457 | $N/mm^2$ | >17 |
| Elongation at Break | ASTM D1457* | % | >200 |
| **Thermal properties** | | | |
| 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.

Röchling Industrial (UK) Ltd.
Bowden Hey Road, Chapel-en-le-Frith, High Peak, SK23 0QZ, UK
T: +44 (0) 1298 811800 F: +44 (0) 1298 811801 E: sales@roechling-fibracon.co.uk - www.roechling.com/uk/industrial
Date: 29/04/2020 Version: 3.0.0


INTEGRATED MANAGEMENT SYSTEM