

Technical Data Sheet

Fibracon[®] PTFE + 10% Carbon+ 5% Graphite

PTFE

Typical characteristics

- Soft carbon offers reduces tool wear compared with other carbon filled PTFE
- Improved thermal and electrical conductivity
- Reduced deformation under load

Typical industries

- Costruzione di serbatoi e impianti chimici
- Costruzione di veicoli
- Elettronica
- Olio e gas
- Ingegneria meccanica e impiantistica
- Healthcare
- Industria alimentare
- Energia eolica

| | Test method | Unit | Guideline value |
|------------------------------|-------------|---------------------|-----------------|
| General properties | | | |
| Density | ASTM D1457 | g / cm ³ | 2.05 - 2.25 |
| Mechanical properties | | | |
| Hardness | ASTM 1706 | Shore D | 57 - 61 |
| Tensile Strength (23°C) | ASTM D1457 | N/mm ² | >18 |
| 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.

ri-inquiry@roechling.com • www.roechling.com/industrial/materials

