



PCF101

DESCRIPTION:

A carbon fibre reinforced, compression moulded PEEK composite. PCF101 is produced by special compression moulding technology and offers outstanding mechanical properties and wear characteristics combined with excellent chemical resistance. It's non-galling properties make it an ideal choice for pump wear parts, including case wear rings, bushings and bearings.

FEATURES:

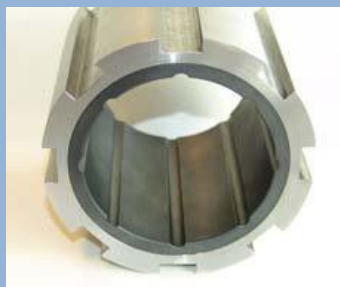
- *Non-galling/non-seizing*
- *Increased pump efficiency*
- *Excellent chemical resistance*
- *Low coefficient of friction*
- *Impact resistance*

PCF101 – Product data

TYPICAL PROPERTIES – PCF101

| Property | Typical Values | ASTM Method |
|----------------------------------|---|-------------|
| COLOUR | BLACK | |
| HARDNESS (Shore D) | 89 | ASTM D2240 |
| SPECIFIC GRAVITY | 1.41 g/cm³ | ASTM D792 |
| TENSILE STRENGTH | 135 MPa | ASTM D638 |
| COMPRESSIVE STRENGTH | 240 MPa | ASTM D638 |
| ELONGATION @ BREAK | 2.0% | ASTM D638 |
| FLEXURAL STRENGTH | 320 Mpa | ASTM D790 |
| MAX OPERATING TEMPERATURE | 145°C | |
| COEFFICIENT OF THERMAL EXPANSION | 15 x 10⁻⁶ °C⁻¹ | ASTM D696 |

Water Regulations Advisory Scheme, WRAS - APPROVED



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Statements and recommendations in this publication are based on our experience and knowledge of typical applications of this product and shall not constitute a guarantee of performance.