

TECAPEEK CM XP108 natural - Stock Shapes (rods, plates, tubes)

Chemical Designation

PEEK (Polyetheretherketone)

Colour

beige

Density

1.44 g/cm³

Fillers

PTFE fibres

Main features

excellent strength
broad chemical compatibility
good dimensional stability
high stiffness

Target Industries

oil and gas industry
chemical and refinery industry

| <i>Mechanical properties</i> | <i>parameter</i> | <i>value</i> | <i>unit</i> | <i>norm</i> | <i>comment</i> |
|---------------------------------------|------------------|--------------|-------------|-------------|----------------|
| Tensile strength | @ 73°F | 9,500 | psi | ASTM D 638 | |
| Elongation at break (tensile test) | @ 73°F | 3.7 | % | ASTM D 638 | |
| Flexural strength | @ 73°F | 14,100 | psi | ASTM D 790 | |
| Modulus of elasticity (flexural test) | @ 73°F | 440,000 | psi | ASTM D 790 | |
| <i>Thermal properties</i> | <i>parameter</i> | <i>value</i> | <i>unit</i> | <i>norm</i> | <i>comment</i> |
| Melting temperature | | 649 | °F | - | |

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