

TECAPEEK CM XP92 natural - Stock Shapes (rods, plates, tubes)

Chemical Designation

PEEK (Polyetheretherketone)

Colour

beige opaque

Density

1.44 g/cm³

Fillers

glass fibres

production process: compression moulding

Main features

- inherent flame retardant
- good heat deflection temperature
- hydrolysis and superheated steam resistant
- good machinability
- good slide and wear properties

Target Industries

- oil and gas industry

Mechanical properties	parameter	value	unit	norm	comment
Tensile strength		103	MPa	ASTM D 638	
Elongation at break (tensile test)		3.8	%	ASTM D 638	
Flexural strength		149	MPa	ASTM D 790	
Thermal properties	parameter	value	unit	norm	comment
Melting temperature	DSC	342	°C	-	