

## TECAPEEK CM XP91 natural - Stock Shapes (rods, plates, tubes)

### Chemical Designation

PEEK (Polyetheretherketone)

### Colour

beige opaque

### Density

1.56 g/cm<sup>3</sup>

### 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		89	MPa	ASTM D 638	
Modulus of elasticity (tensile test)		8200	MPa	ASTM D 638	
Elongation at break (tensile test)		2.1	%	ASTM D 638	
Flexural strength		144	MPa	ASTM D 790	
Modulus of elasticity (flexural test)		6800	MPa	ASTM D 790	
Shore hardness	Shore D	91		ASTM D 2240	
Thermal properties	parameter	value	unit	norm	comment
Melting temperature	DSC	342	°C	-	

→ TECAPEEK products are based on Victrex® PEEK polymer.

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Ensinger India Engineering Plastics Pvt Ltd.  
2205, 22nd Floor, SOLUS Building,  
Hiranandani Estate, Thane West - 400607,  
India

Phone +91 22-49797082  
[www.ensinger.in](http://www.ensinger.in)

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