

TECAPEEK CM XP118 natural - Stock Shapes (rods, plates, tubes)

Chemical Designation

PEEK (Polyetheretherketone)

Colour

beige

Density

1.52 g/cm³

Fillers

glass fibres, PTFE

Main features

excellent strength
broad chemical compatibility
good dimensional stability
high stiffness

Target Industries

oil and gas industry
chemical and refinery industry

Mechanical properties	parameter	value	unit	norm	comment
Tensile strength	@73°F	12,000	psi	-	
Elongation at break (tensile test)	@73°F	2.4	%	-	
Flexural strength	@73°F	20,000	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	900,000	psi	ASTM D 790	
Notched impact strength (Izod)	@73°F	0.76	ft-lbs/in	ASTM D 256	
Thermal properties	parameter	value	unit	norm	comment
Melting temperature		649	°F	-	

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