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

Chemical Designation
PEEK (Polyetheretherketone)

Colour
beige

Density
1.52 g/cm^3

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	*condition*	*value*	*unit*	*test method*	*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	*condition*	*value*	*unit*	*test method*	*comment*
Melting temperature		649	°F	-	

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