TECAPEEK CM XP90 natural - Stock Shapes (rods, plates, tubes)

Chemical Designation
PEEK (Polyetheretherketone)

Colour
beige

Density
1.52 g/cm^3

Fillers
glass fibres

Main features
- excellent chemical resistance
- very good bearing and wear properties
- excellent strength

Target Industries
- chemical plant engineering
- oil and gas industry

Mechanical properties	*condition*	*value*	*unit*	*test method*		*comment*
Tensile strength	73°F	15,100	psi	ASTM D 638		(1) Units = Rockwell M
Elongation at break (tensile test)	73°F	2.8	%	ASTM D 638		
Flexural strength	73°F	21,500	psi	ASTM D 790		
Modulus of elasticity (flexural test)	73°F	850,000	psi	ASTM D 790		
Rockwell hardness	73°F	105		ASTM D 785	1)	

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

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Ensinger Inc. Headquarters 365 Meadowlands Boulevard Washington, PA 15301, USA

Phone 800-243-3221 Sales Phone 800-869-4029
Technical Fax 724-746-9209
sales@ensingerusa.com

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