TECAPEEK CM XP250 natural - Stock Shapes (rods, plates, tubes)

Chemical Designation
PEEK (Polyetheretherketone)

Colour
dark brown

Density
1.31 g/cm^3

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	19,000	psi	ASTM D 638	
Modulus of elasticity (tensile test)	@73°F	800,000	psi	ASTM D 638	
Elongation at break (tensile test)	@73°F	3.8	%	ASTM D 638	
Flexural strength	@73°F	29,100	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	800,000	psi	ASTM D 790	
Impact strength (Izod)	@73°F	0.6	ft/lbs/in	ASTM D 256	

Thermal properties	*condition*	*value*	*unit*	*test method*	*comment*
Melting temperature		649	°F	-	
Heat distortion temperature		503	°F	ASTM D 648	
Thermal conductivity		2.1	BTU-in/hr-ft^2-°F	ASTM C 177	

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