TECAPEEK CM XP280 black - Stock Shapes (rods, plates, tubes)

Chemical Designation
PEEK (Polyetheretherketone)

Colour
black

Density
1.4 g/cm^3

Fillers
30% carbon fibres

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	19,900	psi	ASTM D 638	
Modulus of elasticity (tensile test)	@73°F	1,900,000	psi	ASTM D 638	
Elongation at break (tensile test)	@73°F	1.6	%	ASTM D 638	
Flexural strength	@73°F	32,000	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	1,600,000	psi	ASTM D 790	
Notched impact strength (Izod)	@73°F	0.8	ft-lbs/in	ASTM D 256	

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Date: 2020/10/01

Version: A0