TECAPEEK CM XP91 black - Stock Shapes (rods, plates, tubes)

Chemical Designation
PEEK (Polyetheretherketone)

Colour
black

Density
1.54 g/cm^3

Fillers
30% glass fibres

Main features
- excellent chemical resistance
- excellent mechanical properties
- good thermal stability

Target Industries
- chemical plant engineering
- oil and gas industry

Mechanical properties	*condition*	*value*	*unit*	*test method*		*comment*
Modulus of elasticity	73°F	1,050,000	psi	ASTM D 638		(1) Flexural strain (2) Shore D
Tensile strength	73°F	11,700	psi	ASTM D 638		
Elongation at break (tensile test)	73°F	2.4	%	ASTM D 638		
Flexural strength	73°F	19,000	psi	ASTM D 790		
Bending strain	73°F	1	%	ASTM D 790	1)	
Compression strength	73°F	24,000	psi	ASTM D 695		
Compression modulus		510,000	psi	ASTM D 695		
Rockwell hardness	73°F	91		ASTM D 785	2)	

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