TECAPEEK CM XP104 black - Stock Shapes (rods, plates, tubes)

Chemical Designation
PEEK (Polyetheretherketone)

Colour
black

Density
1.49 g/cm^3

Fillers
molybdenum disulfide, PTFE, 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	11,100	psi	ASTM D 638		(1) Units = Shore D
Modulus of elasticity (tensile test)	@73°F	170,000	psi	ASTM D 638		
Elongation at break (tensile test)	@ 73°F	0.9	%	ASTM D 638		
Flexural strength	@ 73°F	7,000	psi	ASTM D 790		
Shore hardness	@ 73°F; Mscale	90	D	ASTM D 2240	1)	

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

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