

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

### Chemical Designation

PEEK (Polyetheretherketone)

### Colour

black

### Density

1.49 g/cm<sup>3</sup>

### 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

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
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)
<i>Thermal properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Melting temperature		649	°F	-	

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Date: 2020/09/24

Version: