

## TECAPEEK CM XP114 black - Stock Shapes (rods, plates, tubes)

### Chemical Designation

PEEK (Polyetheretherketone)

### Colour

black

### Density

1.44 g/cm<sup>3</sup>

### Fillers

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>Text</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength		@ 73°F	17,700	psi	ASTM D 638	(1) Units = Rockwell M (2) Units = Shore D
Elongation at break (tensile test)		@ 73°F	1.5	%	ASTM D 638	
Flexural strength		@ 73°F	28,000	psi	ASTM D 790	
Modulus of elasticity (flexural test)		@ 73°F	1,700,000	psi	ASTM D 790	
Notched impact strength (Izod)		@ 73°F	1.11	ft-lbs/in	ASTM D 256	
Rockwell hardness		@ 73°F	123		ASTM D 785	1)
Shore hardness		@ 73°F; Mscale	89	D	ASTM D 2240	2)
<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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