

TECAPEEK CM XP110 black - Stock Shapes (rods, plates, tubes)

Chemical Designation

PEEK (Polyetheretherketone)

Colour

black

Density

1.71 g/cm³

Fillers

mineral filler

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	13,500	psi	ASTM D 638	(1) Units = Rockwell M
Elongation at break (tensile test)	@ 73°F	1.9	%	ASTM D 638	
Flexural strength	@ 73°F	20,000	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@ 73°F	1,400,000	psi	ASTM D 790	
Rockwell hardness	@ 73°F	104		ASTM D 785	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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