

TECAPEEK CM XP109 black - Stock Shapes (rods, plates, tubes)

Chemical Designation

PEEK (Polyetheretherketone)

Colour

black opaque

Density

1.51 g/cm³

Fillers

carbon fibres, PTFE

production process: compression moulding

Main features

- inherent flame retardant
- good heat deflection temperature
- hydrolysis and superheated steam resistant
- good machinability
- good slide and wear properties

Target Industries

- oil and gas industry

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength		82	MPa	ASTM D 638	
Elongation at break (tensile test)		2	%	ASTM D 638	
Flexural strength		127	MPa	ASTM D 790	
Modulus of elasticity (flexural test)		8200	MPa	ASTM D 790	
<i>Thermal properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Melting temperature	DSC	342	°C	-	