

TECAPEEK CM XP101 black - Stock Shapes (rods, plates, tubes)

Chemical Designation

PEEK (Polyetheretherketone)

Colour

black opaque

Density 1.47 g/cm³

Fillers

graphite, 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

Date: 2019/01/07

→ oil and gas industry

Mechanical properties	parameter	value	unit	norm	comment
Tensile strength		59	MPa	ASTM D 638	
Elongation at break (tensile test)		2.4	%	ASTM D 638	
Flexural strength		88	MPa	ASTM D 790	
Modulus of elasticity (flexural test)		4200	MPa	ASTM D 790	
Rockwell hardness	M scale	94		ASTM D 785	
Thermal properties	parameter	value	unit	norm	comment
Melting temperature	DSC	342	°C	=	

[→] TECAPEEK products are based on Victrex® PEEK polymer.

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