

# TECATRON PPS CM XP83 black - Stock Shapes (rods, plates, tubes)

## Chemical Designation

PPS (Polyphenylsulfide)

## Colour

black opaque

## Density

1.43 g/cm<sup>3</sup>

## Fillers

carbon fibres, graphite, PTFE

production process: compression moulding

## Main features

- high dimensional stability
- good chemical resistance
- high creep resistance
- good heat deflection temperature
- resistance against high energy radiation
- high stiffness
- high strength

## Target Industries

- oil and gas industry

Mechanical properties	parameter	value	unit	norm	comment
Tensile strength		35	MPa	ASTM D 638	
Elongation at break (tensile test)		1.5	%	ASTM D 638	
Flexural strength		53	MPa	ASTM D 790	
Shore hardness	Shore D	88	MPa	ASTM D 2240	

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Represented by:  
Ensinger Asia Holding Pte Ltd.  
(Singapore Branch)  
for Asia Pacific other than Japan+China

63 Hillview Avenue #02-03  
Lam Soon Industrial Building  
Singapore 669569  
Tel +65 65524177  
Fax +65 65525177  
[www.ensingerplastics.com/en-sg/](http://www.ensingerplastics.com/en-sg/)

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