

# TECATRON PPS CM GF30 natural (XP66) - Stock Shapes (rods, plates, tubes)

## Chemical Designation

PPS (Polyphenylsulfide)

## Colour

dark brown

## Density

1.62 g/cm<sup>3</sup>

## Fillers

30% glass fibres

## Main features

broad chemical compatibility

high stiffness

## Target Industries

oil and gas industry

others

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength		6,500	psi	ASTM D 638	
Modulus of elasticity (tensile test)		850,000	psi	ASTM D 638	
Elongation at break (tensile test)		1.1	%	ASTM D 638	
Flexural strength		11,500	psi	ASTM D 790	
Modulus of elasticity (flexural test)		920,000	psi	ASTM D 790	
Compression strength	@ 10%	17,500	psi	ASTM D 695	
Compression strength	@ 1%	6,600	psi	ASTM D 695	
Compression modulus	@73°F	577,000	psi	ASTM D 695	
Notched impact strength (Izod)	@73°F	.55	ft-lbs/in	ASTM D 256	
Shore hardness	D Scale	88		ASTM D 2240	

This information reflects the current state of our knowledge and is intended only to assist and advise. It is given without obligation or liability. It does not assure or guarantee chemical resistance, quality of products or their suitability in any legally binding way. Values are not minimum or maximum values, but guidelines that can be used for comparative purposes in material selection. They are within the normal range of product properties and do not represent guaranteed property values. Testing under individual application circumstances is always recommended. Data is obtained from extruded shapes material unless otherwise noted. References to FDA compliance refer to the resins from which the products were made unless otherwise noted. All trade and patent rights should be observed. All rights reserved. Data sheet values are subject to periodic review, the most recent update can be found at [www.ensingerplastics.com](http://www.ensingerplastics.com).

Ensinger Inc. Headquarters  
365 Meadowlands Boulevard  
Washington, PA 15301, USA

Phone 800-243-3221 Sales  
Phone 800-869-4029 Technical  
Fax 724-746-9209  
[sales@ensingerusa.com](mailto:sales@ensingerusa.com)

Date: 2022/08/01

Version: A1