

TECATRON PPS CM GF25 black (XP61) - Stock Shapes (rods, plates, tubes)

Chemical Designation
PPS (Polyphenylensulfide)

Main features
excellent stiffness
good chemical resistance

Target Industries
oil and gas industry

Colour
black

Density
1.74 g/cm³

Fillers
glass fibres, mineral filler

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength		6,800	psi	ASTM D 638	(1) ASTM D-732
Modulus of elasticity (tensile test)		1,110,000	psi	ASTM D 638	
Elongation at break (tensile test)		1.50	%	ASTM D 638	
Flexural strength	@73°F	8,900	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	970,000	psi	ASTM D 790	
Compression strength	@73°F; 10% strain	17,800	psi	ASTM D 695	
Compression strength	@73°F; 1% strain	6,500	psi	ASTM D 695	
Compression modulus	@73°F	580,000	psi	ASTM D 695	
Impact strength (Izod)		0.75	ft-lbs/in	ASTM D 256	
Shore hardness	D Scale	89		ASTM D 2240	
Shear strength		8,100	psi	-	1)

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.

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

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