

TECAFLON PTFE CM black (XP76) PPS blend (55%) - Stock Shapes (rods, plates, tubes)

Chemical Designation
PTFE (Polytetrafluorethylene)

Main features
high pressure resistance

Target Industries
oil and gas industry

Colour
black

Density
1.87 g/cm³

<i>Mechanical properties</i>	<i>parameter</i>	<i>value</i>	<i>unit</i>	<i>norm</i>	<i>comment</i>
Tensile strength	@73°F	2,150	psi	ASTM D 638	
Modulus of elasticity (tensile test)	@73°F	425,000	psi	ASTM D 638	
Elongation at break (tensile test)	@73°F	1.50	%	ASTM D 638	
Flexural strength	@73°F	4,350	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	450,000	psi	*** new ***	
Bending strain	@73°F	2.90	%	ASTM D 790	
Shore hardness	D Scale	74		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.

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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