

# TECAFLON PTFE CM black (XP78) PPS blend (47%) - Stock Shapes (rods, plates, tubes)

## Chemical Designation

PTFE (Polytetrafluorethylene)

## Colour

black

## Density

1.74 g/cm<sup>3</sup>

## Main features

high pressure resistance  
excellent chemical resistance

## Target Industries

oil and gas industry  
chemical technology  
others

Mechanical properties	parameter	value	unit	norm	comment
Tensile strength	@73°F	2,700	psi	ASTM D 638	
Modulus of elasticity (tensile test)	@73°F	540,000	psi	ASTM D 638	
Elongation at break (tensile test)	@73°F	1.60	%	ASTM D 638	
Flexural strength	@73°F	4,900	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	510,000	psi	ASTM D 790	
Bending strain	@73°F	1.30	%	ASTM D 790	
Shore hardness	D Scale	73		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).

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