TECAFLON PVDF CM natural (XP205) - Stock Shapes (rods, plates, tubes)

Chemical Designation
PVDF (Polyvinylidene fluoride)

Colour
white

Density
1.8 g/cm^3

Main features
excellent chemical resistance

Target Industries
oil and gas industry
semiconductor technology
bipolar plates for fuel cells

Mechanical properties	*parameter*	*value*	*unit*	*norm*	*comment*
Tensile strength	@73°F	8,700	psi	ASTM D 638	
Modulus of elasticity (tensile test)	@73°F	340,000	psi	ASTM D 638	
Elongation at break (tensile test)	@73°F	8	%	ASTM D 638	
Flexural strength	@73°F	12,600	psi	ASTM D 790	
Modulus of elasticity (flexural test)	@73°F	400,000	psi	ASTM D 790	
Bending strain	@73°F	6.9	%	ASTM D 790	
Compression strength	@73°F; 10% strain	11,300	psi	ASTM D 695	
Compression modulus	@73°F	180,000	psi	ASTM D 695	
Impact strength (Izod)	@73°F	1.5	ft-lbs/in	ASTM D 256	

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