



Pressure Seals, Inc.

Phone: (877)-PSI-SEAL Toll Free
Thousands of Seals, O-Rings, and U-Cups
World-Class Service since 1976!



Material: FEP 38943 (ASTM D2116-95a)
PFA 137421 (ASTM D2116-95a)

Description: Virgin FEP (fluoronated ethylene propylene) or virgin PFA (perfluoroalkoxy) used in the manufacture of Teflon encapsulated O-rings.

FEP or PFA is compliant to FDA regulations 21 CFR 177.1550 and 21 CFR 177.2600, 3-A Sanitary Standards and USP Class VI.

PROPERTY	ASTM	UNITS	FEP	PFA
Tensile Strength	D1708	PSI	3500	3500
Specific Gravity	D792		2.15	2.15
Coefficient of Friction	Dynamic		0.2	0.2
Compressive Strength	D695	PSI	2200	2200
Impact Strength	D256	ft-lb/in	no break	no break
Flexural Modulus	D790	Gpa	0.6	0.65
Tensile Strength	D638	Mpa	30	32
Hardness Duro	D2240		D-55	D-55
Elongation	D1708	%	300	310
Flexural Modulus	D790	GPa	0.62	0.7
Water Absorption	D570	%	<.01	<.03
Deformation Under Load	D621		1.8	NA
Continous Service Temperature		F	400	500
Melting Point	DTA	F	520	590

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