



## Marco Compound # T1024 Encapsulated O-Ring PFA/FKM

### General Description:

FKM core encapsulated with PFA (perfluoroalkoxy) tubing.

### PFA Features:

- FDA compliant to 21CFR177.1550 and 21CFR177.2600
- Meets 3-A sanitary standards and USP Class VI
- Excellent heat and chemical resistance
- Excellent resistance to oxygen, ozone and sunlight
- Resistance to fungal and biological attack
- Good electrical insulation



### FKM Features:

- Good heat resistance
- Excellent resistance to acids, fuels, mineral oils, greases, aliphatic, aromatic and chlorinated hydrocarbons, non-flammable hydraulic fluids (HFD) and many organic solvents and chemicals.
- Excellent resistance to aging and ozone.
- Low gas permeability, low compression set.

### Limitations:

- Not recommended for dynamic application

### Service Temperature:

+5 to 400° F (-15 to 205° C)

PFA PROPERTIES	UNITS	Typical Test Results
Tensile Strength Per ASTM D1708	psi	3500
Specific Gravity Per ASTM D792		2.15
Ultimate Elongation Per ASTM D1708	%	310
Coefficient of Friction, Dynamic		0.2
Compressive Strength per ASTM D695	psi	2200
Hardness Per ASTM D2240	Shore D	55
Impact strength Per ASTM D695	ft-lb/in	No break
Flexural Modulus Per ASTM D790	GPa	0.65
Deformation Under Load Per ASTM D621	%	1
Water Absorption Per ASTM D570	%	<.03
Melting Temperature	F	590

This information is to the best of our knowledge accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It's the customer's responsibility to evaluate parts prior to use.

FKM CORE PROPERTIES Press cured 10 mins @ 350F. Post cured 12 hrs. @ 450F	UNITS	Typical Test Results
Color		Black
Durometer	Shore A	75 +/- 5
Tensile Strength Per ASTM D412	psi	2225
Specific Gravity Per ASTM D297		1.84
Ultimate Elongation Per ASTM D412	%	210
100% Modulus		1000
Compression Set. ASTM D395. 22 hrs @ 23 C	%	9
Compression Set. ASTM D395. 336 hrs. @200 C	%	33.8
Low Temperature Resistance. TR-10		-15C

May 30, 2018

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