



General Features

- Excellent compression set resistance
- Good heat resistance
- High resistance to ozone, water, steam, aqueous, acid and sanitizing chemicals
- General chemical resistance is very good
- Resistance to oxygenated (alcohol-containing) liquid and biofluids
- USP Class VI medical grade certified

Application

Developed for use in MedPharma applications. Also provides excellent chemical resistance, including Clean-in-Place Solutions, oils as well as aqueous based fluids.

914M exhibits excellent resistance to various aqueous and non-aqueous medical device products. FKM 914M is medically graded for health, hygiene and safety requirements especially in MedPharma applications such as those managing biofluids and aqueous based APIs.



Certifications



Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	60 ± 5	60	D 2240
Tensile	MPa	10 min	15.1	D 412
Elongation at break	%	200 min	304	D 412
100% Modulus	MPa		2.2	D 412
Tear Strength, Die C	kN/m		11.7	D 624
Specific Gravity			1.90	D 297

FKM Elastomer Compound 914M

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 250°C			D 573
Δ Hardness	Shore A	0	
Δ Tensile	%	36.5	
Δ Elongation	%	25.0	

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
Reference Fuel C			
Change after 70h @ 23°C			D 471
Δ Hardness	Shore A	-1	
Δ Tensile	%	-11.4	
Δ Elongation	%	-5.3	
Δ Volume	%	2.2	

Property	Unit	Obtained	ASTM Test Method
Reference Fuel C/ Ethanol, 70/30			
Change after 70h @ 23°C			D 471
Δ Hardness	Shore A	-1	
Δ Tensile	%	-57.7	
Δ Elongation	%	-29.6	
Δ Volume	%	4.3	

Property	Unit	Obtained	ASTM Test Method
Reference Fuel FAM B			
Change after 70h @ 23°C			D 471
Δ Hardness	Shore A	-2	
Δ Tensile	%	-53.7	
Δ Elongation	%	-24.7	
Δ Volume	%	5.5	

Property	Unit	Obtained	ASTM Test Method
Service Liquid 101			
Change after 70h @ 200°C			D 471
Δ Hardness	Shore A	0	
Δ Tensile	%	-7.7	
Δ Elongation	%	-6.3	
Δ Volume	%	11.3	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 23°C	%	2.1	
22h @ 175°C	%	7.4	
22h @ 200°C	%	9.3	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-7	D 7426



To get a quote or order, please visit our website or contact one of our Customer Service Representatives
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