

FKM Elastomer Compound 914M

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.

ORIGINAL PROPERTIES

Property	Unit	Nominal	Typical	ASTM Test Method
Hardness	Shore A	60 ± 5	60	D 2240
Tensile Strength	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 B	kN/m		11.7	D 624
Specific Gravity			1.90	D 297

Air Age, 70h @ 250°C per ASTM D 573

Property	Unit	Typical
Change after 70h @ 150°C		
Δ Hardness	Shore A	0
Δ Tensile Strength	%	36.5
Δ Elongation	%	25.0

Certifications



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Reference Fuel C, 70h @ 23°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-1
Δ Tensile Strength	%	-11.4
Δ Elongation	%	-5.3
Δ Volume	%	2.2

Service Liquid 101, 70h @ 200°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	0
Δ Tensile Strength	%	-7.7
Δ Elongation	%	-6.3
Δ Volume	%	11.3

Reference Fuel FAM B, 70h
@ 23°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-2
Δ Tensile Strength	%	-53.7
Δ Elongation	%	-24.7
Δ Volume	%	5.5

Reference Fuel C/Ethanol, 70/30, 70h
@ 23°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-1
Δ Tensile Strength	%	-57.7
Δ Elongation	%	-29.6
Δ Volume	%	4.3

Compression Set Resistance,
per ASTM D 395, Method B

Property	Unit	Typical
22h @ 23°C	%	2.1
22h @ 175°C	%	7.4
22h @ 200°C	%	9.3

Low Temperature, per ASTM D 7426

Property	Typical
Glass Transition Temperature, °C	-7

Contact us today **to learn more**

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