

VMQ Silicone Compound 71417

General Features

- Excellent compression set resistance
- Superior heat resistance
- Good resistance to petroleum oils and greases
- Superior low-temperature performance

Application

A general purpose VMQ with excellent aging resistance for suitability in a variety of sealing applications.

71417 exhibits excellent resistance to wide range of petroleum based products while providing good low-temperature flexibility and excellent sealing performance.

ORIGINAL PROPERTIES

Property	Unit	Nominal	Typical	ASTM Test Method
Hardness	Shore A	70 ± 5	69	D 2240
Tensile Strength	MPa	6 min	7.3	D 412
Elongation at break	%	150 min	272	D 412
100% Modulus	MPa		3.3	D 412
Tear Strength, Die B	kN/m		9.5	D 624
Specific Gravity			1.40	D 297

Air Age, 70h @ 225°C per ASTM D 573

Property	Unit	Typical
Δ Hardness	Shore A	3
Δ Tensile Strength	%	20.5
Δ Elongation	%	-20.6

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IRM 901 Oil, 70h @ 150°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-6
Δ Tensile Strength	%	6.3
Δ Elongation	%	-11.4
Δ Volume	%	5.8

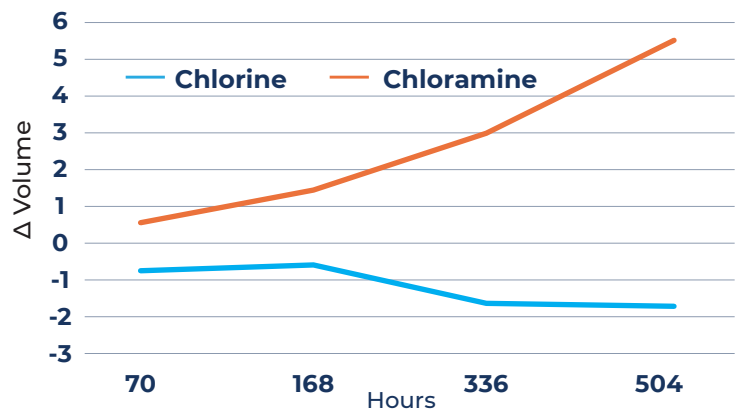
IRM 903 Oil, 70h @ 150°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-23
Δ Tensile Strength	%	-4.6
Δ Elongation	%	-9.9
Δ Volume	%	37.9

De-ionized Water, 70h @ 100°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	0
Δ Tensile Strength	%	0.7
Δ Elongation	%	4
Δ Volume	%	-.06

71417 - CHLORINE + CHLORAMINE RESISTANCE



Compression Set Resistance,
per ASTM D 395, Method B

Property	Unit	Typical
22h @ 175°C	%	7.9
70h @ 175°C	%	11.5

Low Temperature, per ASTM D 2137

Property	Typical
Non-brittleness, 3 min @ -55°C	Pass

Contact us today **to learn more**

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800.927.1422 • mnrubber.com
marketing@mnrubber.com

