

# VMQ Silicone Compound 917AP

## 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.

917AP exhibits excellent resistance to wide range of petroleum based products while providing excellent low-temperature flexibility and superior sealing performance.

## ORIGINAL PROPERTIES

Property	Unit	Nominal	Typical	ASTM Test Method
Hardness	Shore A	50 ± 5	54	D 2240
Tensile Strength	MPa	6 min	10.5	D 412
Elongation at break	%	150 min	475	D 412
100% Modulus	MPa		1.8	D 412
Tear Strength, Die B	kN/m		30.8	D 624
Specific Gravity			1.14	D 297

## Air Age, 70h @ 225°C per ASTM D 573

Property	Unit	Typical
Δ Hardness	Shore A	1
Δ Tensile Strength	%	-8
Δ Elongation	%	-17.9

# VMQ Silicone Compound 917AP

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

Property	Unit	Typical
Δ Hardness	Shore A	-6
Δ Tensile Strength	%	-23.7
Δ Elongation	%	-20.8
Δ Volume	%	5.9

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

Property	Unit	Typical
Δ Hardness	Shore A	-15
Δ Tensile Strength	%	-46.5
Δ Elongation	%	-45.3
Δ Volume	%	43.6

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

Property	Unit	Typical
Δ Hardness	Shore A	1
Δ Tensile Strength	%	-11.2
Δ Elongation	%	-0.6
Δ Volume	%	-0.7

Compression Set Resistance,  
per ASTM D 395, Method B

Property	Unit	Obtained
22h @ 175°C	%	4.9
70h @ 175°C	%	6.7

Contact us today **to learn more**

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