



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.



Endoscope (Trocar) Seals

Tank Bladders

Bi-Directional Seals

Electrosurgical Devices

Implantable Pulse Generators & Pacemakers

Trocar

Quad® Brand O-Rings

Quad-Ring® Seals

Quad® Brand Ground Rubber Balls

Certifications



FDA 21 CFR 177.2600

Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	50 ± 5	54	D 2240
Tensile	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

VMQ Silicone Compound 917AP

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 225°C			D 573
Δ Hardness	Shore A	1	
Δ Tensile	%	-8	
Δ Elongation	%	-17.9	

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
IRM 901 oil			
Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-6	
Δ Tensile	%	-23.7	
Δ Elongation	%	-20.8	
Δ Volume	%	5.9	

Property	Unit	Obtained	ASTM Test Method
IRM 903 oil			
Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-15	
Δ Tensile	%	-46.5	
Δ Elongation	%	-45.3	
Δ Volume	%	43.6	

Property	Unit	Obtained	ASTM Test Method
De-Ionized Water			
Change after 70h @ 100°C			D 471
Δ Hardness	Shore A	1	
Δ Tensile	%	-11.2	
Δ Elongation	%	-0.6	
Δ Volume	%	-0.7	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 175°C	%	4.9	
70h @ 175°C	%	6.7	