



General Features

- Good compression set resistance
- Excellent heat resistance
- Very good general chemical resistance and heat resistance
- Good low temperature flexibility

Application

A general purpose FKM elastomer with very good general chemical resistance, including coolants, lubricating oils, and other moderately high pH environments.

514AD provides good resistance to all petroleum and ester based oils and lubricants while providing good compression set resistance, and low temperature flexibility.



Quad-Ring® Brand Seals



Quad® Brand O-Ring Seals



Quad® Ground Rubber Balls



Equi-Flex™ Rod Wiper/
Scraper

Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	70 ± 5	72	D 2240
Tensile	MPa	10 min	14.5	D 412
Elongation at break	%	175 min	279	D 412
100% Modulus	MPa		4.0	D 412
Tear Strength, Die C	kN/m		18.4	D 624
Specific Gravity			1.84	D 297

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 250°C			
Δ Hardness	Shore A	3	D 573
Δ Tensile	%	0.3	
Δ Elongation	%	-13.3	

FKM Elastomer Compound 514AD

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
Reference Fuel C			
Change after 70h @ 23°C			D 471
Δ Hardness	Shore A	-2	
Δ Tensile	%	-15.2	
Δ Elongation	%	-9.7	
Δ Volume	%	3.7	

Property	Unit	Obtained	ASTM Test Method
Service Liquid 101			
Change after 70h @ 200°C			D 471
Δ Hardness	Shore A	-7	
Δ Tensile	%	-11.8	
Δ Elongation	%	-9.7	
Δ Volume	%	12.4	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 175°C	%	9.8	
22h @ 200°C	%	19.0	

Low Temperature

Property	Obtained	ASTM Test Method
Non-brittleness, 3 min @ -25°C	Pass	D 2137