



General Features

- Excellent compression set resistance
- Superior heat resistance
- Excellent resistance to water, steam, and aqueous acid/base environments, including Organic acid technology automotive coolants
- Excellent general chemical resistance and resistance to oxygenated (alcohol-containing) fuels

Application

514FB provides overall excellent general chemical resistance, including resistance to all types of coolants, oils and all types of fuels, including those oxygenated with alcohols and ethers.



Flow Controllers



Tank Bladders



RO Membranes



Filtration



Valves



Flow Meters



Brine Seals & Food Contact Seals



Quad-Ring® Seals



Food Contact Seals and Ground Rubber Balls

Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	70 ± 5	72	D 2240
Tensile	MPa	10 min	20.3	D 412
Elongation at break	%	175 min	331	D 412
100% Modulus	MPa		4	D 412
Tear Strength, Die C	kN/m		30.5	D 624
Specific Gravity		1.82 ± 0.02	1.82	D 297

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 250°C			
Δ Hardness	Shore A	2	D 573
Δ Tensile	%	-28.6	
Δ Elongation	%	-2.4	

FKM Elastomer Compound 514FB

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
Reference Fuel C			
Change after 1008h @ 23°C			D 471
Δ Hardness	Shore A	-6	
Δ Tensile	%	-10.7	
Δ Elongation	%	-12.9	
Δ Volume	%	11.5	

Property	Unit	Obtained	ASTM Test Method
Caterpillar ELC Coolant			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	-3	
Δ Tensile	%	-17.1	
Δ Elongation	%	1.2	
Δ Volume	%	2.5	

Property	Unit	Obtained	ASTM Test Method
Caterpillar ELC Coolant			
Change after 1008h @ 150°C			D 471
Δ Hardness	Shore A	-2	
Δ Tensile	%	-41.8	
Δ Elongation	%	-31.7	
Δ Volume	%	7.7	

Property	Unit	Obtained	ASTM Test Method
Dexron VI ATF			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	-2	
Δ Tensile	%	-49.6	
Δ Elongation	%	-44	
Δ Volume	%	2.1	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 23°C	%	9.4	
22h @ 175°C	%	8.1	
22h @ 200°C	%	8.5	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-17	D 7426



To get a quote or order, please visit our website or contact one of our Customer Service Representatives
USA: 1(800)927-1422 Asia: +86-512 6273 2700 Europe: +33(0)2 32 22 24 26