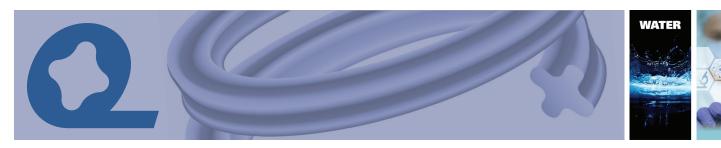
FKM Elastomer Compound 515CG





General Features

- Superior compression set resistance
- Excellent heat resistance
- Excellent resistance to water, steam, and aqueous acid/base environments
- Very good general chemical resistance
- Resistance to oxygenated (alcohol containing) fuels
- Water, Food, and Beverage Certifications

Application

Developed for use in potable water, food and beverage applications but also provides overall excellent general chemical resistance, including resistance to all types of Clean-In-Place solutions, oils and all types of fuels, including those oxygenated with alcohols and ethers.

515CG exhibits excellent resistance to various aqueous and non-aqueous food products and has multiple global certifications for health, hygiene, and safety in food and water applications.







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

Certifications







FDA 21 CFR 177.2600





Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	70 ± 5	69	D 2240
Tensile	MPa	10 min	20.2	D 412
Elongation at break	%	175 min	221	D 412
100% Modulus	MPa		5.3	D 412
Tear Strength, Die C	kN/m		27.1	D 624
Specific Gravity			1.93	D 297

FKM Elastomer Compound 515CG

Air Age Fluid Immersion

Property	Unit	Obtained	ASTM Test Method	Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 250°C			D 573	Water			
Δ Hardness	Shore A	2		Change after 70h @ 100°C			D 471
Δ Tensile	%	11.7		Δ Hardness	Shore A	-2	
Δ Elongation	%	0.4		Δ Volume	%	2.8	

Fuels and Oils

Property	Unit	Obtained	ASTM Test Method
Service Liquid 101			
Change after 70h @ 200°C			D 471
Δ Hardness	Shore A	5	
Δ Tensile	%	0.8	
Δ Elongation	%	-3.3	
Δ Volume	%	16.2	

			ASTM	
Property	Unit	Obtained	Test Method	
Hatco 7700				
Change after 70h @ 200°C			D 471	
Δ Hardness	Shore A	-6		
∆ Tensile	%	-3.8		
Δ Elongation	%	-2.9		
Δ Volume	%	13.9		

Property	Unit	Obtained	ASTM Test Method
Reference Fuel C			
Change after 70h @ 23°C			D 471
Δ Hardness	Shore A	-1	
Δ Volume	%	2.2	

Property	Unit	Obtained	ASTM Test Method
Reference Fuel C/ Ethanol, 70/30			
Change after 70h @ 23°C			D 471
Δ Hardness	Shore A	-4	
Δ Volume	%	3.7	

Property	Unit	Obtained	ASTM Test Method
FAM B - Reference Fuel			
Change after 70h @ 23°C			D 471
Δ Hardness	Shore A	-3	
Δ Volume	%	5.0	

Compression Set Resistance

Low Temperature

Property	Unit	Obtained	ASTM Test Method	
			D 395	Glass Tra
3°C	%	5.6		
75°C	%	6.8		
00°C	%	8.1		
	. 5 8°C 75°C	8°C % 75°C %	3°C % 5.6 75°C % 6.8	Property Unit Obtained Test Method D 395 3°C % 5.6 75°C % 6.8

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-5	D 7426



www.mnrubber.com email: webmaster@mnrubber.com

phone: 952-927-1400