



General Features

- Superior compression set resistance
- Excellent heat resistance
- Excellent resistance to water, steam, lubricating oil, and high pH environments with good general chemical resistance
- Good low temperature flexibility compared to other base resistant elastomers

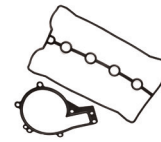
Application

A base resistant FKM elastomer with excellent resistance to extended life engine coolants, lubricating oils, and other high pH environments.

Compared with other base resistant elastomers, compound 515CH provides superior oil and transmission fluid resistance, compression set resistance, and improved low temperature flexibility.



Engine Seals



Intake Manifold Seals



Bonded Seals



Valve Body Seals



Transmission Seals



Hydraulic and
Pneumatic Seals



Quad-Ring® Seals



Quad® Brand O-Rings
& Ground Rubber Balls

Original Properties

Property	Unit	Required	Obtained	ASTM Test Method
Hardness	Shore A	70 ± 5	70	D 2240
Tensile	MPa	14 min	17.4	D 412
Elongation at break	%	175 min	502	D 412
100% Modulus	MPa		2.3	D 412
Tear Strength, Die C	kN/m		21.3	D 624
Specific Gravity			1.74	D 297

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 250°C			
Δ Hardness	Shore A	2	D 573
Δ Tensile	%	-29.9	
Δ Elongation	%	-5.9	

FKM Elastomer Compound 515CH

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
Reference Fuel C			
Change after 70h @ 23°C			D 471
Δ Hardness	Shore A	-5	
Δ Tensile	%	-2	
Δ Elongation	%	1.4	
Δ Volume	%	3.6	

Property	Unit	Obtained	ASTM Test Method
Caterpillar ELC Coolant			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	-1	
Δ Tensile	%	-3.5	
Δ Elongation	%	-4.5	
Δ Volume	%	2.5	

Property	Unit	Obtained	ASTM Test Method
Dexron VI ATF			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	-5	
Δ Tensile	%	-4.4	
Δ Elongation	%	4.5	
Δ Volume	%	2.7	

Property	Unit	Obtained	ASTM Test Method
Ford Motorcraft Gold Coolant			
Change after 70h @ 100°C			D 471
Δ Hardness	Shore A	0	
Δ Tensile	%	-3.1	
Δ Elongation	%	3.7	
Δ Volume	%	1	

Property	Unit	Obtained	ASTM Test Method
DexCool Coolant			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	0	
Δ Tensile	%	-11.3	
Δ Elongation	%	-2	
Δ Volume	%	3	

Property	Unit	Obtained	ASTM Test Method
Dexron CVTF, GM 9986443			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	-8	
Δ Tensile	%	-8.1	
Δ Elongation	%	3.5	
Δ Volume	%	2.1	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 23°C	%	10.3	
22h @ 175°C	%	14.5	
22h @ 200°C	%	16.9	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-11.3	D 7426



To get a quote or order, please visit our website or contact one of our Customer Service Representatives
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