



General Features

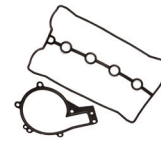
- Excellent compression set resistance and very good general chemical resistance, including resistance to fuels, coolants, and petroleum-based oils and fluids
- Outstanding low temperature flexibility

Application

Designed to provide low temperature flexibility to -40°C while providing excellent general chemical resistance typical of most FKM elastomers.



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		12.4	D 412
Elongation at break	%		244	D 412
100% Modulus	MPa		3.9	D 412
Tear Strength, Die C	kN/m		10.8	D 624
Specific Gravity			1.88	D 297

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 70h @ 250°C			D 573
Δ Hardness	Shore A	-1	
Δ Tensile	%	-22.5	
Δ Elongation	%	54.4	

FKM Elastomer Compound 514JA

Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
DexCool Coolant			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	0	
Δ Tensile	%	18.1	
Δ Elongation	%	-1.7	
Δ Volume	%	1.3	

Property	Unit	Obtained	ASTM Test Method
Dexron VI ATF			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	-1	
Δ Tensile	%	4.8	
Δ Elongation	%	-20.1	
Δ Volume	%	1.4	

Property	Unit	Obtained	ASTM Test Method
Dexron CVTF			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	-3	
Δ Tensile	%	-0.8	
Δ Elongation	%	-13.5	
Δ Volume	%	1.8	

Property	Unit	Obtained	ASTM Test Method
Dexron LS Gear Oil 75W 90			
Change after 168h @ 150°C			D 471
Δ Hardness	Shore A	3	
Δ Tensile	%	-50.8	
Δ Elongation	%	-55.3	
Δ Volume	%	10.3	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 23°C	%	6.8	
22h @ 175°C	%	12.5	
22h @ 200°C	%	12.6	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-38.9	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