AEM Elastomer Compound 572CE

Minnesota Rubber & Plastics
Quadion LLC

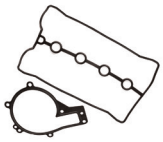
General Features

- Good compression set resistance
- Good compressive stress relaxation (CSR)
- Excellent heat resistance
- Excellent oil resistance
- Excellent resistance to PowerTrain fluids and crankcase ventilation gases and condensates.
- Good low temperature performance
- Non-DOTG cure system for health safety and environmental protection

Application

Designed for use in transportation PowerTrain and chassis sealing applications requiring excellent long term fluid compatibility while providing flexibility and performance at both high and low temperatures.


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	75 ±5	73	D 2240
Tensile	MPa	10 min	17.9	D 412
Elongation at break	%	175 min	242	D 412
100% Modulus	MPa		6.9	D 412
Tear Strength, Die B	kN/m		69	D 624
Tear Strength, Die C	kN/m		25.6	D 624
Specific Gravity			1.26	D 297

Air Age

Property	Unit	Obtained	ASTM Test Method
Change after 168h @ 175°C			D 573
Δ Hardness	Shore A	10	
Δ Tensile	%	4.0	
Δ Elongation	%	-17.4	

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Fluid Immersion

Property	Unit	Obtained	ASTM Test Method
Dexron VI per GM9986153			
Change after 1008h @ 150°C			D 471
Δ Hardness	Shore A	-8	
Δ Tensile	%	3.3	
Δ Elongation	%	-3.3	
Δ Volume	%	18.2	

Property	Unit	Obtained	ASTM Test Method
Dexron HP-CVTF per GM 9986443			
Change after 1008h @ 150°C			D 471
Δ Hardness	Shore A	-7	
Δ Tensile	%	2.5	
Δ Elongation	%	-19	
Δ Volume	%	15.4	

Property	Unit	Obtained	ASTM Test Method
IRM 903			
Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-19	
Δ Tensile	%	-22.4	
Δ Elongation	%	-28.5	
Δ Volume	%	52.1	

Property	Unit	Obtained	ASTM Test Method
IRM 901			
Change after 70h @ 150°C			D 471
Δ Hardness	Shore A	-1	
Δ Tensile	%	7.2	
Δ Elongation	%	-9.9	
Δ Volume	%	5.9	

Property	Unit	Obtained	ASTM Test Method
Ford ULV ATF per WSS-M2C949 A			
Change after 1008h @150°C			D 471
Δ Hardness	Shore A	-7	
Δ Tensile	%	-4.2	
Δ Elongation	%	-23.2	
Δ Volume	%	17.1	

Property	Unit	Obtained	ASTM Test Method
Idemitsu GK-2S CVTF			
Change after 1008h @150°C			D 471
Δ Hardness	Shore A	-15	
Δ Tensile	%	-3.5	
Δ Elongation	%	-22	
Δ Volume	%	23.4	

Compression Set Resistance

Property	Unit	Obtained	ASTM Test Method
			D 395, Method B
22h @ 150°C	%	8.8	
70h @ 150°C	%	13.9	
22h @ 175°C	%	13.7	

Low Temperature

Property	Obtained	ASTM Test Method
Glass Transition Temperature, °C	-36	D 7426

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Leader in Advanced Technologies

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