

AEM Elastomer Compound 572CE

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.

ORIGINAL PROPERTIES

Property	Unit	Nominal	Typical	ASTM Test Method
Hardness	Shore A	75 ± 5	73	D 2240
Tensile Strength	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, 168h @ 175°C per ASTM D 573

Property	Unit	Obtained
Δ Hardness	Shore A	10
Δ Tensile	%	4.0
Δ Elongation	%	-17.4

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Dexron VI per GM9986153, 1008h
@ 150°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-8
Δ Tensile Strength	%	3.3
Δ Elongation	%	-3.3
Δ Volume	%	18.2

Dexron HP-CVTF per GM9986443, 1008h
@ 150°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-7
Δ Tensile Strength	%	2.5
Δ Elongation	%	-19
Δ Volume	%	15.4

IRM 903 Oil, 70h @ 150°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-19
Δ Tensile Strength	%	-22.4
Δ Elongation	%	-28.5
Δ Volume	%	52.1

IRM 901 Oil, 70h @ 150°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-1
Δ Tensile Strength	%	7.2
Δ Elongation	%	-9.9
Δ Volume	%	5.9

Ford ULV ATF per WSS-M2C949 A, 1008h
@ 150°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-7
Δ Tensile Strength	%	-4.2
Δ Elongation	%	-23.2
Δ Volume	%	17.1

Idemitsu GK-2S CVTF, 1008h
@ 150°C per ASTM D 471

Property	Unit	Typical
Δ Hardness	Shore A	-15
Δ Tensile Strength	%	-3.5
Δ Elongation	%	-22
Δ Volume	%	23.4

Compression Set Resistance,
per ASTM D 395, Method B

Property	Unit	Typical
22h @ 150°C	%	8.8
70h @ 150°C	%	13.9
22h @ 175°C	%	13.7

Low Temperature, per ASTM D 74226

Property	Typical
Glass Transition Temperature, °C	-36

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