

Data Sheet: V90 AED GLT

MATERIAL: VITON[®] 90 SHORE AED NORSOK M-710 APPROVED

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to +250°C (Static)
-30°C to +220°C (Dynamic)

SPECIFICATION: ASTM D2000 M3HK914 A1-10 B37 B38 EF31 EO78 Z1 Z2

Z1= TR Test,

Z2 =AED/RGD Approval

Z6=RGD NACE TM0297 APPROVAL

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	90+/-5	93
TENSILE STRENGTH, psi (MPa)	2031	3073(21.19)
ELONGATION, %	100	126
MODULUS @ 100% psi (MPa)		2382(16.43)
SPECIFIC GRAVITY		1.84

A1-10 HEAT AGEING 70hrs @ 250°C

HARDNESS CHANGE, POINTS	+10	+3
TENSILE STRENGTH CHANGE %	-25	-10
ELONGATION CHANGE %	-25	+10
WEIGHT CHANGE		-2.2

B37 COMPRESSION SET, METHOD B

22hrs @ 175°C %	30 MAX	18.2
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B38 COMPRESSION SET, METHOD B

22hrs @ 200°C %	50 MAX	18.9
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EF31 FUEL RESISTANCE, FUEL C. 70hrs @ 23°C

HARDNESS CHANGE, POINTS	+/-5	-5
TENSILE STRENGTH CHANGE %	-25	-18
ELONGATION CHANGE %	-20	-16
VOLUME CHANGE %	0/+10	+4.3

E078 FUEL RESISTANCE, OIL 101. 70hrs @ 200°C

HARDNESS CHANGE, POINTS	-15/+5	-12
TENSILE STRENGTH CHANGE %	-40	-24
ELONGATION CHANGE %	-20	-4
VOLUME CHANGE %	0/+15	+14.7

Z1 LOW TEMPERATURE RETRACTION TEST (TR TEST)

TESTING ELONGATION 50%	EQUIPMENT OF MEASUREMENT: THERMOCOUPLE
LENGTH OF SAMPLE: 51 MM	RATE OF TEMPERATURE INCREASING: 1°C /MIN
TEST TEMPERATURE: 26°C	COOLANT: METHANOL

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PHYSICAL PROPERTIES**REQUIREMENT****TEST RESULT**

TR10°C

-30.2

RESISTANCE OVERVIEW

SYNTHETIC AND MINERAL LUBRICANTS

EXCELLENT

ALIPHATIC HYDROCARBONS

EXCELLENT

AROMATIC HYDROCARBONS

EXCELLENT

CHEMICAL RESISTANCE

GOOD

ALCOHOL

POOR

The above test results are based on test slabs / buttons. The results from the actual parts may be different.

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