

Data Sheet: V90 AED GLT

MATERIAL: FLUOROCARBON RUBBER 90 SHORE AED GLT

- PEROXIDE CURED

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to 250°C

SPEC: ASTM D2000 M3HK914 A1-10 B37 B38 EF31 EO78 EO88

<u>Original Physical Properties</u>	<u>Requirements</u>	<u>Results</u>
Hardness, (shore A) (ASTM D2240-15,Type A)	90±5	89
Tensile Strength, psi(MPa) (ASTM D412-16,Method A)	2031 (14)(min)	2813 (19.40)
Elongation, (%) (ASTM D412-16,Method A)	100 (min)	125
Modulus at 100%, psi(MPa) (ASTM D412-16,Method A)		2132 (14.70)
Density, (Mg/m³) (CNS 5341-96,Method A)		1.84
<u>A1-10 Heat age, 70 Hrs @ 250 °C (ASTM D573-04)</u>		
Hardness Change, pts.	+10 (max)	0
Tensile Strength Change, %	-25 (max)	-16
Elongation Change, %	-25 (max)	+6
Weight Change, %		-2.2
<u>B37 Compression set, 22 Hrs @ 175 °C (ASTM D395-18,Method B)</u>		
	30%(plied)(max)	12.0
<u>B38 Compression set, 22 Hrs @ 200 °C (ASTM D395-18,Method B)</u>		
	50%(plied)(max)	14.4
<u>EF31 ASTM Fuel C Resistance, 70 Hrs @ 23 °C (ASTM D471-16a)</u>		
Hardness Change, pts.	±5	-4
Tensile Strength Change, %	-25 (max)	-10
Elongation Change, %	-20 (max)	+3
Volume Change, %	0~+10	+3.6
<u>EO78 ASTM No. 101 Oil, 70 Hrs @ 200 °C (ASTM D471-16a)</u>		
Hardness Change, pts.	-15~+5	-9
Tensile Strength Change, %	-40 (max)	-17
Elongation Change, %	-20 (max)	+7
Volume Change, %	0~+15	+11.5
<u>EO88 Mobil Jet Oil II, 70 Hrs @ 200 °C (ASTM D471-16a)</u>		
Hardness Change, pts.	-15~+5	-9
Tensile Strength Change, %	-40 (max)	-9
Elongation Change, %	-20 (max)	+15
Volume Change, %	+25 (max)	+11.3

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CERTIFICATIONS

- API 6A (FF HH Grade)
- TOTAL EP PVV 142
- NACE TM0297
- NORSOK M710 – Oil & Gas Industry

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