

Data Sheet: V95 AED GLT

MATERIAL: VITON[®] 95 SHORE AED GLT NORSOK M-710 APPROVED-PEROXIDE CURED

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -30°C to 220°C (dynamic)
-35°C to 250°C (static)

SPECIFICATION: ASTM D2000 M3HK914 B37 B38 EF31 EO78 EO88 Z1
Z1=SHORE A 95±5

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
Z1 HARDNESS, SHOREA	ASTMD2240-05	95±5	95
TENSILE STRENGTH, PSI (MPa)	ASTMD412-06A	2031(14) (MIN)	3075 (21.2)
ELONGATION, %	ASTMD412-06A 1	00 (MIN)	108
MODULUS AT 100%, PSI (MPa)	ASTMD412-06A		2778 (19.16)
SPECIFIC GRAVITY, (g/cm ³)			1.84
B37 COMPRESSION SET			
22 hrs @ 175°C, METHOD B	ASTM D395-14	30% (PLIED) (MAX)	23.6
B38 COMPRESSION SET			
22 hrs @ 200°C, METHOD B	ASTM D395-14	50% (PLIED) (MAX)	25.5
EF31 ASTM FUEL C RESISTANCE, 70 hrs @ 23°C			
HARDNESS CHANGE, POINTS	ASTM D471-12A	±5	-4
TENSILE STRENGTH CHANGE, %	ASTM D471-12A	-25 (MAX)	-9
ELONGATION CHANGE, %	ASTM D471-12A	-20 (MAX)	+0
VOLUME CHANGE, %	ASTM D471-12A	0~+10	+4.5
EO78 ASTM NO. 101 OIL, 70 hrs @ 200°C			
HARDNESS CHANGE, POINTS	ASTM D471-12A	-15~+5	-10
TENSILE STRENGTH CHANGE, %	ASTM D471-12A	-40 (MAX)	-8
ELONGATION CHANGE, %	ASTM D471-12A	-20 (MAX)	+18
VOLUME CHANGE, %	ASTM D471-12A	0~+15	+12.0
EO88 HATCO 7700 OIL, 70 hrs @ 200°C			
HARDNESS CHANGE, POINTS	ASTM D471-12A	-15~+5	-13
TENSILE STRENGTH CHANGE, %	ASTM D471-12A	-40 (MAX)	-16
ELONGATION CHANGE, %	ASTM D471-12A	-20 (MAX)	+4
VOLUME CHANGE, %	ASTM D471-12A	+25(MAX)	+14.2

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

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