

Data Sheet: V75 GLT

MATERIAL: VITON[®] 75 SHORE TYPE GLT

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to 205°C continuous (225°C peak)

SPECIFICATION: ASTM D2000 M2HK710 A1-10 B38 EF31 EO78 F17 Z1~Z3

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	ASTM D2240	75+/-5	73
TENSILE STRENGTH, MIN, PSI	ASTM D412	1450	2825
ULTIMATE ELONGATION, MIN. %	ASTM D412	150	251
SPECIFIC GRAVITY	ASTM D297		1.832

HEAT RESISTANCE 70 hrs @ 250°C

HARDNESS CHANGE, SHORE	ASTM D573	+10 (MAX)	1
TENSILE STRENGTH, CHANGE, %	ASTM D573	-25 (MAX)	-3
ULTIMATE ELONGATION, CHANGE, %	ASTM D573	-25 (MAX)	20

HEAT RESISTANCE 70 hrs @ 275°C

HARDNESS CHANGE, SHORE A	ASTM D573	+/-5 (MAX)	1
TENSILE STRENGTH, CHANGE, %	ASTM D573	-35 (MAX)	-36
ULTIMATE ELONGATION, CHANGE, %	ASTM D573	-10 (MAX)	35

COMPRESSION SET

22 hrs @ 200°C, METHOD B (PLIED) (Z1), %	ASTM D395	20	15
22 hrs @ 200°C, METHOD B (BUTTON), %	ASTM D395	20	N/A

FLUID RESISTANCE 70 hrs @ 23°C FUEL C

HARDNESS CHANGE, SHORE A	ASTM D471	+/-5	-5
TENSILE STRENGTH, CHANGE, %	ASTM D471	-25 (MAX)	-17
ULTIMATE ELONGATION, CHANGE, %	ASTM D471	-20 (MAX)	-10
VOLUME CHANGE, %	ASTM D471	0 to +10	7.3

FLUID RESISTANCE 70 hrs @ 200°C FLUID No. 101

HARDNESS CHANGE, SHORE A	ASTM D471	-15 to +5	-6
TENSILE STRENGTH, CHANGE, %	ASTM D471	-40 (MAX)	-6
ULTIMATE ELONGATION, CHANGE, %	ASTM D471	-20 (MAX)	2
VOLUME CHANGE, % (Z2)	ASTM D471	0 to +15	20.7

LOW TEMPERATURE RESISTANCE

NONBRITTLE AFTER 3 MIN AT -40 °C	ASTM D2137	PASS	PASS
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TR10 (Z3)

-29°C

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

Issue Date: 23.03.2016