

Data Sheet: V75 (DuPont)

MATERIAL: VITON[®] 75 SHORE – GENUINE DUPONT POLYMER

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -20°C to 205°C continuous (-30°C to 225°C peak)

UL LISTED MATERIAL (UL157)

SPECIFICATION: ASTM D2000 M2HK810 A1-10 B38 EF31 EO78 Z1 Z2

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A (Z1)	75+/-5	74
TENSILE STRENGTH, psi	1450	2236
ELONGATION, %	150	198
MODULUS @ 100%, psi		1115
SPECIFIC GRAVITY		1.84
HEAT AGEING 70hrs @ 250°C		
HARDNESS CHANGE, POINTS	+10	+3
TENSILE STRENGTH CHANGE %	-25	-2
ELONGATION CHANGE %	-25	-4
WEIGHT CHANGE %		-1.6
COMPRESSION SET		
22hrs @ 175°C %	50	9.7
22hrs @ 200°C %	50	11.1
70hrs @ 200°C %	25	20.8
FLUID RESISTANCE, Fuel C 70hrs @ 23°C		
HARDNESS CHANGE, POINTS	+/-5	-1
TENSILE STRENGTH CHANGE %	-25	-6
ELONGATION CHANGE %	-20	-11
VOLUME CHANGE %	0/+10	+3.5
FLUID RESISTANCE, Fluid No. 101, 70hrs @200°C		
HARDNESS CHANGE, POINTS	-15/+5	-8
TENSILE STRENGTH CHANGE %	-40	-31
ELONGATION CHANGE %	-20	-7
VOLUME CHANGE %	0/+15	+13.4
FLUID RESISTANCE, IRM903 Oil, 70hrs @150°C		
HARDNESS CHANGE, POINTS		-3
TENSILE STRENGTH CHANGE %		-14
ELONGATION CHANGE %		+14
VOLUME CHANGE %	0/+10	+13.4

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PHYSICAL PROPERTIES**REQUIREMENT****TEST RESULT****LOW TEMPERATURE BRITTLENESS POINT TEST**

3 min at - 18 °C

no crack

Pass

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

Issue Date: 23.05.2014