

Data Sheet: V75 (DuPont)

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

COLOUR: BROWN

GENERAL SERVICE TEMPERATURE RANGE: -20°C to 205°C

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

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A (Z1) (ASTM D2240-05)	75+/-5	77
TENSILE STRENGTH, psi (ASTM D412-06a)	1450 (min)	2240
ELONGATION, % (ASTM D412-06a)	175 (min)	213
MODULUS @ 100%, psi (ASTM D412-06a)		1215
SPECIFIC GRAVITY		2.05
HEAT AGEING 70hrs @ 250°C (ASTM D573-04)		
HARDNESS CHANGE, POINTS	+10 (max)	+1
TENSILE STRENGTH CHANGE %	-25 (max)	+2
ELONGATION CHANGE %	-25 (max)	-19
WEIGHT CHANGE %		-2.5
COMPRESSION SET		
22hrs @ 200°C % (ASTM D395-03, method B) 50 (plied)		9.3
FLUID RESISTANCE, Fuel C 70hrs @ 23°C (ASTM D471-10)		
HARDNESS CHANGE, POINTS	+/-5	-3
TENSILE STRENGTH CHANGE %	-25 (max)	-15
ELONGATION CHANGE %	-20 (max)	-5
VOLUME CHANGE %	0/+10	+3.5
FLUID RESISTANCE, Fluid No. 101, 70hrs @ 200°C		
HARDNESS CHANGE, POINTS	-15/+5	-9
TENSILE STRENGTH CHANGE %	-40 (max)	-18
ELONGATION CHANGE %	-20 (max)	-10
VOLUME CHANGE %	0/+15	+11.8

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

Issue Date: 29.07.2014