

# Data Sheet: V75 B

## MATERIAL: VITON<sup>®</sup> 75 SHORE TYPE B – GENUINE DUPONT POLYMER

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M2HK710A1-10 B37 B38 EF31 EO78 Z1=75+/-5A

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A (Z1)	75+/-5	78
TENSILE STRENGTH, psi	1450	1938
ELONGATION, %	175	209
SPECIFIC GRAVITY		1.909

### HEAT AGEING 70 hrs @ 250°C

HARDNESS CHANGE, POINTS	+10	+1
TENSILE STRENGTH CHANGE %	-25	-1
ELONGATION CHANGE %	-25	+12
VOLUME CHANGE %		-2.8

### HEAT AGEING 70 hrs @ 275°C

HARDNESS CHANGE, POINTS		+2
TENSILE STRENGTH CHANGE %		-40
ELONGATION CHANGE %		+48
VOLUME CHANGE %		-6.1

### COMPRESSION SET

22 hrs @ 175°C %	50	15
22 hrs @ 200°C %	50	20

### FLUID RESISTANCE, Fuel C, 70 hrs @ 23°C

HARDNESS CHANGE, POINTS	+/-5	-4
TENSILE STRENGTH CHANGE %	-25	-12
ELONGATION CHANGE %	-20	-5
VOLUME CHANGE %	0/+10	+3.3

### FLUID RESISTANCE, Fluid No. 101, 70 hrs @ 200°C

HARDNESS CHANGE, POINTS	-15/+5	-8
TENSILE STRENGTH CHANGE %	-40	-18
ELONGATION CHANGE %	-20	+8
VOLUME CHANGE %	0/+15	+8

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

Issue Date: 06.03.2012