

# Data Sheet: V75 GF

## MATERIAL: VITON<sup>®</sup> 75 SHORE TYPE GF

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M2HK710 A1-10 B38 EF31 EO78 Z1:75+/-5A

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	75+/-5	77
TENSILE STRENGTH, psi	1450	2299
ELONGATION, %	175	386
SPECIFIC GRAVITY		1.913
<b>HEAT AGEING 70 hrs @ 250°C</b>		
HARDNESS CHANGE, POINTS	+10	+2
TENSILE STRENGTH CHANGE %	-25	+15
ELONGATION CHANGE %	-25	-11
<b>COMPRESSION SET</b>		
22 hrs @ 200°C %	50	21
<b>FLUID RESISTANCE, Fuel C 70 hrs @ 23°C</b>		
HARDNESS CHANGE, POINTS	+/-5	-3
TENSILE STRENGTH CHANGE %	-25	-12
ELONGATION CHANGE %	-20	0
VOLUME CHANGE %	0/+10	+3.8
<b>FLUID RESISTANCE, Fluid 101 70 hrs @ 200°C</b>		
HARDNESS CHANGE, POINTS	-15/+5	-5
TENSILE STRENGTH CHANGE %	-40	-12
ELONGATION CHANGE %	-20	-1
VOLUME CHANGE %	0/+15	+13

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

Issue Date: 27.05.2011