

# Data Sheet: V75 GFLT

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

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to 205°C

SPECIFICATION: ASTM D2000 M2HK710 A1-10 B37 B38 EF31 F17 Z1 Z2

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A (Z1)	ASTM D2240	75+/-5	74
TENSILE STRENGTH, psi	ASTM D412	1450	2043
ELONGATION, %	ASTM D412	150	293
MODULUS @ 100%	ASTM D412		516
SPECIFIC GRAVITY	ASTM D297		1.879
<b>HEAT AGEING 70 hrs @ 250°C</b>			
HARDNESS CHANGE, POINTS	ASTM D573	+10	+4
TENSILE STRENGTH CHANGE, %	ASTM D573	-25	+13
ELONGATION CHANGE, %	ASTM D573	-25	+7
<b>COMPRESSION SET</b>			
METHOD B, 22 hrs @ 175°C, %	ASTM D395	50	21
METHOD B, 22 hrs @ 200°C, %	ASTM D395	50	24
<b>FLUID RESISTANCE, Fuel C 70 hrs @ 23°C</b>			
HARDNESS CHANGE, POINTS	ASTM D471	+/-5	-4
TENSILE STRENGTH CHANGE, %	ASTM D471	-25	-18
ELONGATION CHANGE, %	ASTM D471	-20	+3
VOLUME CHANGE, %	ASTM D471	0/+10	+5.3
<b>LOW TEMPERATURE</b>			
3 MINS @ -40°C METHOD A, 9.3.2	ASTM D2137	NON BRITTLE	PASS

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

Issue Date: 23.11.2016