

# Data Sheet: FKM90 Type B

## MATERIAL: FLUOROCARBON 90 SHORE TYPE B

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M3HK910 A1-10 B37 EF31 Z1

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	90+/-5	90
TENSILE STRENGTH, MPa	10	17.0
ELONGATION %	100	128
SPECIFIC GRAVITY		1.88
<b>HEAT AGEING 70hrs @ 250°C</b>		
HARDNESS CHANGE, POINTS	+10	+1
TENSILE STRENGTH CHANGE %	-25	-5
ELONGATION CHANGE %	-25	+19
<b>COMPRESSION SET</b>		
22hrs @ 175°C %	30	17
<b>FLUID RESISTANCE, FUEL C 70hrs @ 23°C</b>		
HARDNESS CHANGE, POINTS	+/-5	-2
TENSILE STRENGTH CHANGE %	-25	-2
ELONGATION CHANGE %	-20	+22
VOLUME CHANGE %	0/+10	+2

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

Issue Date: 29.05.2013