

Data Sheet: FKM90

MATERIAL: FKM90 - FLUOROCARBON 90 SHORE

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M3HK910 A1-10 B38 EF31 EO78

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	90+/-5	92
TENSILE STRENGTH, MPa	10	13.4
ELONGATION, %	100	147
A1-10 HEAT AGEING 70hrs @ 250°C		
HARDNESS CHANGE, POINTS	+10	+3
TENSILE STRENGTH CHANGE, %	-25	+5
ELONGATION CHANGE, %	-25	-14
B38 COMPRESSION SET, METHOD B		
22 hrs @ 200°C %	50	12
EF31 FUEL RESISTANCE, FUEL C. 70 hrs @ 23°C		
HARDNESS CHANGE, POINTS	+/-5	-4
TENSILE STRENGTH CHANGE, %	-25	-16
ELONGATION CHANGE, %	-20	-10
VOLUME CHANGE, %	0/+10	+3
EO78 FLUID 101 RESISTANCE, 70 hrs @ 200°C		
HARDNESS CHANGE, POINTS	-15/+5	-7
TENSILE STRENGTH CHANGE, %	-40	-17
ELONGATION CHANGE, %	-20	-16
VOLUME CHANGE, %	+15	+14

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

Issue Date: 17.04.2012