

# Data Sheet: FKM90 (Extruded Cord)

## MATERIAL: FKM90 - FLUOROELASTOMER 90 SHORE FOR EXTRUDED CORD

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 M2HK910 A1-10 B38 EF31 E038

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	90+/-5	88
TENSILE STRENGTH MPa	10	12
ELONGATION %	100	112
SPECIFIC GRAVITY		1.84
<b>HEAT AGEING 70 hrs @ 250°C</b>		
HARDNESS CHANGE, POINTS	+10	+3
TENSILE STRENGTH CHANGE %	-25	-5.6
ELONGATION CHANGE %	-25	-11.3
<b>COMPRESSION SET 22 hrs @ 200°C %</b>		
	50	15.7
<b>FLUID RESISTANCE, FUEL C. 70hrs @ 23°C</b>		
HARDNESS CHANGE, POINTS	-5/+5	-3
TENSILE STRENGTH CHANGE %	-25	-9.6
ELONGATION CHANGE %	-20	-5.3
VOLUME CHANGE %	0/ +10	+2.7
<b>FUEL RESISTANCE, OIL #101. 70 hrs @ 200°C</b>		
HARDNESS CHANGE POINTS	-15/+5	-6
TENSILE STRENGTH CHANGE %	-40	-11.5
ELONGATION CHANGE %	-20	-3.9
VOLUME CHANGE %	0/+25	+8.4

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

Issue Date: 17.07.2013