

Data Sheet: N90

MATERIAL: NITRILE 90 SHORE (NBR 90)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -35°C to 110°C

SPECIFICATION: ASTM D2000 M6BG910 A14 B14 EO14 EO34

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	90+/-5	88
TENSILE STRENGTH, MPa	10	20
ELONGATION, %	100	212
SPECIFIC GRAVITY		1.29

A14 HEAT AGEING 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	+/-15	+1
TENSILE STRENGTH CHANGE, %	+/-20	+2
ELONGATION CHANGE, %	-40	-1

B14 COMPRESSION SET, METHOD B

22 hrs @ 100°C %	25	14
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EO14 FLUID RESISTANCE, IRM 901 Oil. 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	-5/+15	+1
TENSILE STRENGTH CHANGE, %	-25	+8
ELONGATION CHANGE, %	-45	-9
VOLUME CHANGE, %	-10/+5	-4

EO34 FLUID RESISTANCE, IRM 903 OIL. 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	-20/0	-3
TENSILE STRENGTH CHANGE, %	-45	+3
ELONGATION CHANGE, %	-45	-13
VOLUME CHANGE, %	0/+35	+7

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

Issue Date: 17.04.2012