

Data Sheet: N80 FDA

MATERIAL: NITRILE 80 SHORE FDA
(COMPLIES WITH FDA REGULATION 21 CFR177.2600)

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 6BG810 A14 B14 EO14 EO34

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	80+/-5	83
TENSILE STRENGTH, MPa Min	10	15.2
ELONGATION, %, Min	100	158
SPECIFIC GRAVITY		1.297

HEAT AGEING 70 hrs @ 100°C

HARDNESS CHANGE, POINTS, Max	+15	+1
TENSILE STRENGTH CHANGE %, Max	-20	+16
ELONGATION CHANGE %, Max	-40	-2

COMPRESSION SET

HEAT AGEING 22 hrs @ 100°C %, Max	+25	17
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FLUID RESISTANCE, NO.1 OIL. 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	-5/+15	+1
TENSILE STRENGTH CHANGE %	-25	+0.7
ELONGATION CHANGE %	-45	-8
VOLUME CHANGE %	-10/+5	-1

FLUID RESISTANCE, NO.903.OIL. 70 hrs @100°C

HARDNESS CHANGE, POINTS	0/-20	-6
TENSILE STRENGTH CHANGE %	-45	-14
ELONGATION CHANGE %	-45	-1
VOLUME CHANGE %	0/+35	+11

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

Issue Date: 05.12.2012