

Data Sheet: NP70 FDA

MATERIAL: NEOPRENE 70 SHORE FDA
(COMPLIES WITH FDA REGULATION 21 CFR177.2600)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to 121°C

SPECIFICATION: ASTM D 2000 M3BC710 A14 B14 EO14 EO34 Z1 (Z1= FDA)

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	67
TENSILE STRENGTH, MPa	10	16.8
ELONGATION %	250	262
SPECIFIC GRAVITY		1.428

HEAT AGEING 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	+15	+2
TENSILE STRENGTH CHANGE %	-15	-8
ELONGATION CHANGE %	-40	-3

COMPRESSION SET

22 hrs @ 100°C %	35	16
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FLUID RESISTANCE, NO.1 OIL 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	+/-10	-1
TENSILE STRENGTH CHANGE %	-30	-1
ELONGATION CHANGE %	-30	+2
VOLUME CHANGE %	-10/+15	+2

FLUID RESISTANCE, NO.3.OIL 70 hrs @ 100°C

TENSILE STRENGTH CHANGE %	-60	-54
ELONGATION CHANGE %	-50	-31
VOLUME CHANGE %	+100	+48

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

Issue Date: 10.09.2014