

Data Sheet: N70 LT

MATERIAL: NITRILE 70 SHORE LOW TEMPERATURE (-45°C)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -45°C to 110°C

SPECIFICATION: ASTM D2000 M5BG710 A14 B14 EO14 EO34 F17

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	69
TENSILE STRENGTH, MPa	10	14.3
ELONGATION %	250	346
SPECIFIC GRAVITY		1.205

HEAT AGEING 70 hrs @100°C

HARDNESS CHANGE, POINTS	+15	+8.0
TENSILE STRENGTH CHANGE %	-20	+22.0
ELONGATION CHANGE %	-40	-14

COMPRESSION SET

HEAT AGEING 22 hrs @ 100°C	25	9
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FLUID RESISTANCE, TEST METHOD NO.1 OIL 70 hrs @ 100°C

HARDNESS CHANGE, POINTS	-5~+15	+9
TENSILE STRENGTH CHANGE %	-25	+15
ELONGATION CHANGE %	-45	-23
VOLUME CHANGE %	+/-10	-9

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

HARDNESS CHANGE, POINTS	0~-15	-7
TENSILE STRENGTH CHANGE %	-45	-7
ELONGATION CHANGE %	-45	-28
VOLUME CHANGE %	0/+35	+11

LOW TEMPERATURE RESISTANCE

-45°C @ 3 Min		NON-BRITTLE
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The above test results are based on test slabs / buttons. The results from the actual parts may be different.

Issue Date: 29.09.2014