

Data Sheet: N70 FDA

MATERIAL: NITRILE 70 SHORE FDA
(COMPLIANT TO FDA REGULATION CFR 21 177-2600)

COLOUR: BLACK

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

SPECIFICATION: ASTM D2000 5BG720 A14 B14 EO14 EO34

PHYSICAL PROPERTIES	TEST METHOD	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	ASTM D2240	70+/-5	72
TENSILE STRENGTH, psi	ASTM D412	2000	2432
ELONGATION, %	ASTM D412	250	353
HEAT AGEING 70 hrs @ 100°C			
HARDNESS CHANGE, POINTS	ASTM D573	+15	+3
TENSILE STRENGTH CHANGE, %	ASTM D573	-20	+6.50
ELONGATION CHANGE, %	ASTM D573	-40	-15.30
COMPRESSION SET			
22 hrs @ 100°C, %	ASTM D395	+25	9.53
FLUID RESISTANCE, No.1 Oil, 70 hrs @ 100°C			
HARDNESS CHANGE, POINTS	ASTM D471	-5/+15	+7
TENSILE STRENGTH CHANGE, %	ASTM D471	-25	+12.17
ELONGATION CHANGE, %	ASTM D471	-45	-20.40
VOLUME CHANGE, %	ASTM D471	-10/+5	-7.77
FLUID RESISTANCE, No.3.OIL, 70 hrs @ 100°C			
HARDNESS CHANGE, POINTS	ASTM D471	0/-15	-1
TENSILE STRENGTH CHANGE, %	ASTM D471	-45	-0.29
ELONGATION CHANGE, %	ASTM D471	-45	-9.92
VOLUME CHANGE, %	ASTM D471	0/+35	+4.70

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

Issue Date: 21.03.2016