

Data Sheet: HNBR70 FDA

MATERIAL: HYDROGENATED NITRILE 70 FDA (PEROXIDE CURED) CONFORMS TO FDA (CFR 177: 2600)

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -40°C to 150°C

SPECIFICATION: D2000 M4DH716 A26 B16 EO16 EO36

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	72
TENSILE STRENGTH, MPa	16	26.5
ELONGATION %	250	418
SPECIFIC GRAVITY		1.167
HEAT AGEING 70hrs @ 150°C		
HARDNESS CHANGE, POINTS	+10	+5
TENSILE STRENGTH CHANGE %	-15	+2
ELONGATION CHANGE %	-25	-20
COMPRESSION SET		
22hrs @ 150°C %	40	21
FLUID RESISTANCE, NO.1 OIL 70hrs @ 150°C		
HARDNESS CHANGE, POINTS	-5/+10	0
TENSILE STRENGTH CHANGE %	-20	+2
ELONGATION CHANGE %	-30	-15
VOLUME CHANGE %	-10/+5	-2
FLUID RESISTANCE, NO.3.OIL 70hrs @ 150°C		
HARDNESS CHANGE, POINTS	-15	-10
TENSILE STRENGTH CHANGE %	-40	-19
ELONGATION CHANGE %	-30	-16
VOLUME CHANGE %	+25	+17

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

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Issue Date: 20.10.2014