

Data Sheet: XNBR70

MATERIAL: CARBOXYLATED NITRILE 70 SHORE

COLOUR: BLACK

GENERAL SERVICE TEMPERATURE RANGE: -30°C to 150°C

SPECIFICATION: ASTM D2000 M5BG714 A14 B14 E014 E034

PHYSICAL PROPERTIES	REQUIREMENT	TEST RESULT
HARDNESS SHORE A	70+/-5	75
TENSILE STRENGTH, MPa	14	21.5
ELONGATION %	250	515
SPECIAL GRAVITY		1.178
HEAT AGEING 70 hrs @ 100°C		
HARDNESS CHANGE, POINTS	+15	+7
TENSILE STRENGTH CHANGE %	-20	+0.4
ELONGATION CHANGE %	-40	-37
COMPRESSION SET		
22 hrs @ 175°C, %	25	18
FLUID RESISTANCE, ASTM NO.1 OIL 70 hrs @ 100°C		
HARDNESS CHANGE, POINTS	-5/+15	+3
TENSILE STRENGTH CHANGE %	-25	-15
ELONGATION CHANGE %	-45	-35
VOLUME CHANGE %	-10/+5	-2
FLUID RESISTANCE, IRM 903 OIL 70 hrs @ 100°C		
HARDNESS CHANGE PTS	0/-15	-3
TENSILE STRENGTH CHANGE %	-45	-36
ELONGATION CHANGE %	-45	-40
VOLUME CHANGE %	0/+35	+16

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

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