

**ASTM D2000 M2 BG714 A14 B14 EF11 EF21 EO14 EO34 F17**

**Nitrile 70 ShA**

*Nitrile / NBR / Buna-N*

Nitrile is the most cost effective and commonly available O-ring material. Ideal for use as seals for pumps, drive belts, and other general engineering applications in the hydraulic and pneumatic industry. NBR is good for applications where the O-ring is exposed to fats, greases and animal or vegetable oils. For applications requiring contact with diesel or temperatures higher than 120°C you may wish to consider Polymax FKM (Viton®) O-rings.

**Colour: Black**

**Operating temperature range: -30°C to 90°C**

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 1415	IRHD	71
Tensile Strength	ASTM D 412	Mpa	14.1
Elongation	ASTM D 412	%	330
Specific Gravity	ASTM D 297	g/cm3	1.28 ±0.03
Compression Set 22h / 100°C	ASTM D 395 B	%	11
Low Temperature Resistance / Non-brittle after 3 mins at -40°C	ASTM D 2137 - TR10	°C	Pass

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70	100	3	1	7	
ASTM Oil 901	ASTM D 471	70	100	4	-5	-4	-5
ASTM Oil 903	ASTM D 471	70	100	-3	-12	-11	8
Fuel A	ASTM D 471	70	23	-2	-13	-6	2
Fuel B	ASTM D 471	70	23	-11	-31	-21	21

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