

**ASTM D2000 M4 BG918 A14 B14 EO14 EO34 F25**

**Nitrile NBR 90**

*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 125°C**

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	Shore A	90 ±5
Tensile Strength	ASTM D 412	Mpa	18.9
Elongation	ASTM D 412	%	196
Specific Gravity	ASTM D 297	g/cm3	1.30 ±0.05
Compression Set 22h / 100°C	ASTM D 395 B	%	10
Low Temperature Resistance	ASTM D 1329 - TR10	°C	-20

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70	100	1	4	-3	
ASTM Oil 901	ASTM D 471	70	100	1	7	0	-4
ASTM Oil 903	ASTM D 471	70	100	-3			7

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