

## Nitrile NBR Oil Seal 70 ShA

*Nitrile / NBR / Buna-N*

Nitrile is a great all-purpose elastomer for use in temperatures ranging from -20°C to +90°C. Excellent resistance to most lubrication oils, hydraulic fluids and grease. Not suitable for use with brake oil, phosphoric ester and ester base.

**Colour: Black**

**Operating temperature range: -20°C to 90°C**

Physical Property	Test Method	Units	Typical Values
Hardness	ASTM D 2240	Shore A	70
Tensile Strength	ASTM D 412 C	MPa	18.1
Elongation	ASTM D 412 C	%	425
Specific Gravity	ASTM D 297	g/cm <sup>3</sup>	1.29 ± 0.02
Compression Set 22h/100°C	ASTM D 395 B	%	7
Tear Resistance	ASTM D 624 B	N/mm	87
Low Temperature Resistance	ASTM D 2137 A	°C	-40

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness (ShA)	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Air	ASTM D 573	70h	100°C	10	13	-18	-6
ASTM Oil No. 1	ASTM D 471	70h	100°C	9	12	-15	-4
IRM Oil 903	ASTM D 471	70h	100°C	-1	9	-12	3
ASTM Fuel A	ASTM D 471	70h	23°C	2	-2	-5	0
Fuel B	ASTM D 471	70h	23°C	-8	-21	-22	14
Water	ASTM D 471	70h	100°C	-3	5	-8	7

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