

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 ±5
Tensile Strength	ASTM D 412	MPa	16.2
Elongation	ASTM D 412	%	430
Tear Resistance	ASTM D 624	N/mm	52
Specific Gravity	ASTM D 297	g/cm ³	1.23 ±0.03
Compression Set 22h/100°C	ASTM D 395 B	%	16
Low Temperature Resistance TR 10	ASTM D 1329	°C	-23

Aging Property	Test Method	Time (h)	Temperature (°C)	Hardness (ShA)	Tensile Strength (%)	Ultimate Elongation (%)	Volume (%)
Luft air	ASTM D 573	70	100	+1	+1	-12	
ASTM IRM oil 901	ASTM D 471	70	100	+2	+4	-13	-5
ASTM IRM oil 903	ASTM D 471	70	100	-4	-12	-12	+8
Kraftstoff A fuel A	ASTM D 471	70	23	-1	-3	-7	+1
Kraftstoff B fuel B	ASTM D 471	70	23	-13	-30	-27	+24
Wasser Water	ASTM D 471	70	100	-3			+3

Although the technical details and recommendations made correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use Polymax products must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.
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