

Technical Information Material Data Sheet - Pimseal Nitrile NBR 75

Compound

Nitrile Butane Rubber (NBR) 75 shore

Line Count

ASTM D 2000 M2 BG710 A15 B14 B24 B25 EA14 EF11 EF21 EO16 EO36 F15 G11 Z

Application

General purpose, industrial grade material with excellent resistance to petroleum based oils and fuels. NBR has good mechanical properties. NBR is not resistant to weathering and ozone.

Colour : Black

Shelf Life

Group B rubber, initial storage 7 years which can be extended by 3 years.

Approvals

DVGW-DIN EN 549 B2 and H3

Temperature Range

-25°C to +100°



Maith Gulf Int'l Trading Est
www.maith-international.com
Data sheet for O-Ring/cord NBR.

ORIGINAL PROPERTIES	TESTING METHOD	STANDARD VALUES	MEASURED VALUES
Hardness (Shore A)	ASTM D 2240	70.00 +/- 5.00	70.33
Specific Gravity (N°)	ASTM1817	1.23 +/- 0.03	1.23
Tensile Strength (MPa)	ASTM 412	>=10.50	15.33
Ultimate Elongation (%)	ASTM 412	>=250.00	322.22
Modulus at 100% (MPa)	ASTM 412	>=3.00	4.17
Compression Set 22 hrs 100°C (%)	ASTM 395 B	<=10.00	9.51
Compression Set 70 hrs 100°C (%)	ASTM 395 B	<=20.00	16.67
Compression Set 70 hrs 125°C (%)	ASTM 395 B	<=35.00	23.93
Low Temperature Brittleness -25°C	ASTM 2137 A	PASS	PASS
Tear Resistance (kN/m)	ASTM 624 B	>=26.00	66.11