

Nimax Seals

Tel. No.: +971 4 4329654

Fax No.: +971 4 4329655

Email: sales@nimaxseals.com

Website: www.nimaxseals.com



Compound : NBR70 (Buna-N / Nitrile)

Color : Black

Hardness : Shore A 70 ±5

Working Temo. -30 to +120 degree C

Property	Test Method	U.m.	Measured Value
Hardness	ASTM D 2240 3s	Shore A	73
Specific Gravity	UNI 7092-72	gr / cm ³	1.258
Tensile Strength	ASTM D412 C	MPa	16.2
Elongation at break	ASTM D 412 C	%	322
Tear Resistance	ASTM D 624 B	N/mm	58.4
Modulus at 100%	ASTM D 412 C	MPa	5.8
Modulus at 300%	ASTM D 412 C	MPa	13.1
Brittle Point	ASTM D 2177 / 94A	LC	-30

COMPRESSION SET – DEFORMATION 25%

Time Hours	Test Method	Result %	Temperature LC
24	ASTM D 395 B	8.5	100
70	ASTM D 395 B	16.5	100
70	ASTM D 395 B	13	24

CHANGE OF PROPERTIES AFTER AGEING

Medium	Time hrs	Temperature °C	Hardness Pts	Tensile str %	Elongation %	Volume %	Test Method
Air	72	100	+4	-3.5	-21	-	ASTM D573
ASTM 1 Oil	72	100	+5	+7	-25.5	-4.2	ASTM D471
ASTM 3 Oil	72	100	-4	+12.5	-20.5	+8.2	ASTM D471
Water	70	100	-2	-2	-2	+4.5	ASTM D471