GLOBAL O-RING and SEAL
ALL-AROUND BETTER

Phone: (832) 448-5550
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Cord Compound HNBR90CD Data Sheet

Material: Hydrogenated Nitrile HNBR
90 Durometer, Black

General Information:
Also known as Highly Saturated Nitrile (HSN), it is a synthetic polymer that is obtained by saturating the double bonds in nitrile=s butadiene segments with hydrogen. HNBR has superior heat, ozone, chemical resistance and mechanical characteristics over standard Nitrile.

Cure System: *Sulfur-cured*

Temperature Range: -40°C (-40°F) to 160°C (320°F)

Attributes:
Color: Black
Durometer Shore A: 90±5
Shelf-life: 15 years

Performs Well In:

- Petroleum based oils & fuels
- Aliphatic hydrocarbons
- Vegetable oils
- Silicone oils & greases
- Ethylene glycol
- Dilute acids, bases and salt solutions to moderate temperatures
- Water and steam to 150°C (300°F)

Doesn't Perform Well In:

- Chlorinated hydrocarbons
- Ketones
- Ethers
- Esters
- Strong acids

Request A Quote

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TYPICAL TEST REPORT

90 ± 5 HNBR

ORIGINAL PHYSICAL PROPERTIES	METHOD	REQUIRED	TYPICAL	PASS/FAIL
TENSILE STRENGTH, psi	D412-16	-	2455	-
ULTIMATE ELONGATION, %	D412-16	-	330	-
SHORE A DUROMETER, pts	D2240-15e1	-	87	-
TEAR, DIE C, ppi	D624-00(12)	-	263	-
SPECIFIC GRAVITY, g/cm³	D297-15	-	1.29	-

ALL TESTS PERFORMED FROM ASTM SLABS.
TYPICAL VALUES ARE NOT TO BE CONSTRUED AS SPECIFICATIONS.