

Overview

HN70GR08 is Canyon's low temperature 70 shore A durometer, Green HNBR. Hydrogenated NBR offers improved thermal performance over standard NBR materials. Compare to Parker N1173-70, KA158-70, and KA183-85.

Features & Benefits

- Improved low temperature performance
- Good abrasion resistance
- Improved high temperature performance & chemical resistance
- Low Compression Set
- Cost Effective

Service Temperature

- -50°C to 163°C (-58°F to 325F)

Specification

- ASTM D2000 M3DH710 A26 B16 E016

Test Data

Table 1. Physical Properties

Test	Requirements	Results
Color	Green	Green
Hardness, Shore A	70+/-5	70
Tensile Strength, psi (MPa)	1450 min (17.8)	2480 (17.8)
Elongation, %	200% min	215%

The information provided in this data sheet is based on test results and our combined expertise. This data sheet is intended to serve only as a reference and is not considered a guarantee.



Table 2. A26 - Heat Aging - 70 hrs at 150°C

Test (Change)	Requirements	Results
Hardness, Shore A	+10 max	+1
Tensile Strength, %	-25 max	+1
Elongation, %	-30 max	+18

Table 3. B16 - Compression Set - 22 hrs at 150°C

Test (Change)	Requirements	Results
Permanent Set, %	30 max	15

Table 4. E016 - ASTM Oil #1 (901) Resistance - 70 hrs at 100°C

Test (Change)	Requirements	Results
Hardness, Shore A	-5 to +10	+1
Tensile Strength, %	-20 max	+5
Elongation, %	-30 max	+22
Volume, %	-5 to +5	+1

HN70GR08 is now available on the Canyon Components online store.

Looking for specific chemical compatibilities or desire more material information? [Please Contact Us!](#)