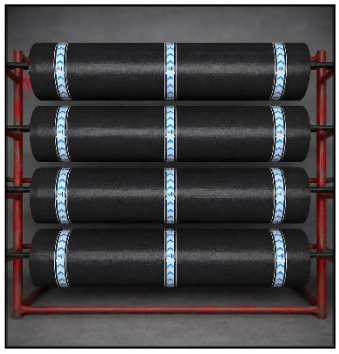
TECHNICAL DATA SHEET

CR 50 NBR | PRE-CURED SOLID MATERIAL BASED ON NITRILE RUBBER

CR 50 NBR is a premium grade, pre-cured 50 Shore A Hardness Nitrile Rubber, used in hydrocarbon applications.

PRODUCT OVERVIEW

- Typical applications include lining of tanks, launders, pipes, and chutes.
- Not suited for slurry abrasion and wear applications.



STANDARD FEATURES

01 **Roll Width:** 1200mm–1450mm wide (custom on request)

02 **Thickness Range:** 1.5mm–20.0mm

03 **Length Range:** 10 or 12m (custom on request)

04 **Available Colours:** Black

05 **Packaging:** Black Plastic



RECOMMENDED STORAGE CONDITIONS:
Store below **23°C** out of **direct** sunlight.
Typical **values may vary** by batch **and** application and are **not a performance guarantee.**
Users must confirm material suitability before use.

PHYSICAL PROPERTIES

DESCRIPTION	NITRILE (NBR)
Hardness (SANS 10048)	50±5 Shore A
Specific Gravity (S.G)	1.13 (±0.2) g/cm³
Elongation At Break (SANS 10037)	500% (min)
Tensile Strength (SANS 10037)	12 Mpa (min)
Classification (SANS 1198-2005)	Type 2 Grade C Class 50
Tear Strength (ISO 34:2022)	N/A
Abrasion Loss (ISO Method B)	N/A
Temperature Range	Max. operating temperature 90°C
Shelf Life @23°C	6 months from manufacture date

MATERIALS TESTING

STANDARD TESTING INCLUDES:

- ✓ Rheometer & SG Testing
- ✓ E@B Testing
- ✓ Tensile Testing
- ✓ Mooney Viscosity

OPTIONAL TESTING ON REQUEST:

- ✓ Abrasion Resistance
- ✓ Compression Set
- ✓ Rebound Resilience

ADHESION SYSTEM

CURED RUBBER TO METAL

- HeroPrime®105 (Grey Metal Primer)
  Drying time 20-30 minutes at room temperature
- HeroBond®200 & Hardener
  Drying time 20-30 minutes at room temperature
- Application
  12,0 sq.m/litre - @ 10micron dry film thickness
  ±700gms/m² (depending on the roughness of the surface)



NOTE:

- The handling precautions above are limited to general recommendations based on information obtained from suppliers of individual compounding ingredients.
- Information is given with the understanding that the manufacturer will satisfy themselves that precautions to health and safety hazards presented by their conditions of use are adequate.
- Since conditions of product and disposal is outside our control we make no warranties, express or implied, and assume no liability in connection with any use of this information.

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Rubber On The Roll

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