TECHNICAL DATA SHEET

CC 40 NR | CHEMICAL CURE SOLID MATERIAL BASED ON NATURAL RUBBER

CC 40 NR is an excellent grade, chemical cure 40 Shore A Hardness Natural Rubber, used in moderate to aggressive wet/slurry abrasion and wear applications.

PRODUCT OVERVIEW

- Typical applications include lining of tanks, launders, underpans, pipes, and chutes.
- Optimum cure 10-14 days @ 23°C (min)
- All applications should be done in accordance with SANS 1201:2005 specifications.

STANDARD FEATURES

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

02 **Thickness Range:** 1.5mm–10.0mm

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

04 **Available Colours:** Black

05 **Packaging:** Red Embossed Plastic

RECOMMENDED STORAGE CONDITIONS:
Store below **23°C** on **suspended** racks or shelving to avoid **creasing, damage, and flat spots.**
Typical **values may vary** by batch **and** application and are **not a performance guarantee.**
Users must confirm material suitability before use.

PHYSICAL PROPERTIES

DESCRIPTION	NATURAL RUBBER (NR)
Hardness (SANS 10048)	40±10 Shore A
Specific Gravity (S.G)	1.14 (±0.2) g/cm³
Elongation At Break (SANS 10037)	500% (min)
Tensile Strength (SANS 10037)	14 Mpa (min)
Classification (SANS 1198-2005)	Type 1 Grade B Class 40
Tear Strength (ISO 34:2022)	N/A
Abrasion Loss (ISO Method B)	N/A
Temperature Range	Minus 5°C to 70°C
Shelf Life @23°C	6 weeks 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

NON-UV RESISTANT

Uncured Rubber to Metal

- HeroBond®080 (Orange Primer) 10-11m2
  Minimum drying time 30 minutes
- HeroBond®082 (Black cover coat) 9-10m2
  Minimum drying time 30 minutes at room temperature
- HeroBond®086 (Black tie coat)
  1 coat 6,2 sq.m/litre 2 coats 3,1 sq.m/litre
  One coat on steel, one coat on rubber

UV RESISTANT

- HeroBond®089 Green Primer 11m2
  1 hour to dry in-between
- HeroBond®090 Red Cover Coat 20m2

NOTE:

- Although the above-mentioned physical properties can be achieved, typically these results are achieved in ideal and controlled laboratory conditions. These may vary with in field results where temperature, cure systems and many other factors may influence the results.
- 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.

Rubber On The Roll

www.impilogroup.com
admin@impilogroup.co.za
5 Berry Road, Roodekop, Germiston, 1491
+27 (11) 465 9840

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