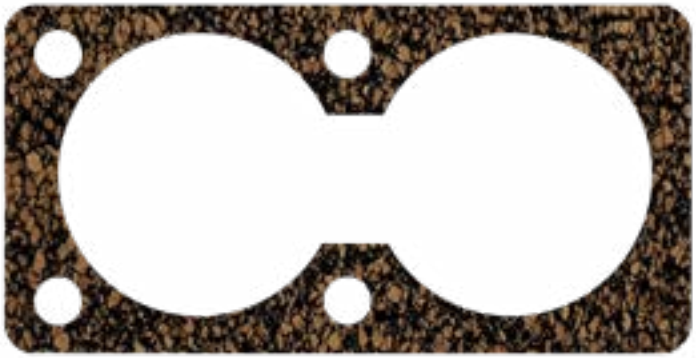
# CORK/SYNTHETIC RUBBER CC2004

## PRODUCT DESCRIPTION

**CORK CC2004 is a high compressible material suitable for low and medium bolt pressure, with good flexibility and resilience.**

The physical characteristics, along with oil and fuel resistance, make this a qualified material for automotive and industrial gaskets.

This material is also suitable for vibration control in plant rooms and other similar applications.



### TYPICAL PROPERTIES

| | |
|---|---|
| **MATERIAL DESCRIPTION** | |
| Cork Granule Size | 1/2 |
| Colour | Black |
| Binder | Synthetic Rubber |
| **PHYSICAL CHARACTERISTICS** | |
| Density | 0.56-0.75 |
| Hardness Shore A | 55-70 |
| Compressibility, 400 PSI (%) | 30-50 |
| Recovery after (%) | > 80 |
| **TENSILE STRENGTH (kg/Cm)** | |
| Transversal direction | > 8 |
| Longitudinal direction | > 12 |
| **FLEXIBILITY** | |
| Original F=5 | No Cracks |
| **VOLUME CHANGE AFTER IMMERSION** | |
| ASTM No 1 Oil 70 hrs. @ 100°C (%) | -5 to + 10 |
| ASTM No 3 Oil 70 hrs. @ 100°C (%) | -10 to + 40 |
| ASTM Fuel A 22 hrs. @ 23°C (%) | -2 to + 10 |
| **SPECIFICATION ACCORDING TO** | |
| ASTM 104-93 F229000 | |
| **TEMPERATURE RANGE** | |
| -30 +110°C | |



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# CORK/SYNTHETIC RUBBER NEBAR RED

## PRODUCT DESCRIPTION


**NEBAR RED is a high quality blend of cork and polychloroprene that withstands higher pressures and gasket loading than other Nebar® grades, particularly in the electrical industry.**

RECOMMENDED MAXIMUM SYSTEM PRESSURE IS 0.6MPA/6BAR. MAY BE USED FOR HIGHER PRESSURES AFTER CONSULTATION WITH TECHNICAL SUPPORT.

### PRIME FEATURES

- Developed for higher-pressure applications in switchgear and transformers.
- High resistance to mineral oils.
- +110°C maximum operating temperature in liquids.
- Withstands higher gasket loading than other Nebar® grades.
- Retains flexibility down to -30°C.
- Easy to cut, handle and install.

### SPECIFICATIONS

Complies with ASTM F104 line call out F224000M2.

### FLUID COMPATIBILITIES

Suitable for use with air, water, alcohols, fuel and diesel oils, mineral lubricating oils, mineral hydraulic fluids, water/glycol; plus ASTM Oil 1, IRM903 oil, ASTM Fuel A, and BS 148 Transformer oil.

### PHYSICAL PROPERTIES

| PHYSICAL PROPERTIES (TESTED TO ASTM F10 PROCEDURES) | |
|---|---|
| Hardness (IRHD) | 70 to 85 (ASTM D1415) |
| Tensile strength (MPa minimum) | 2.35 (ASTM F152B) |
| Compressibility @ 2.8N/mm² (%) | 10 to 30 (ASTM F36B) |
| Recovery (minimum %) | 75 (ASTM F36B) |
| **FLUID RESISTANCE (% VOLUME CHANGE IN)** | |
| ASTM Oil No 1, 72h @ 100°C | -5 to +5 (ASTM F146) |
| IRM903, 72h @ 100°C | +10 to +30 (ASTM F146) |
| ASTM Fuel A, 22h @ ambient | 0 to +10 (ASTM F146) |
| BS 148 Transformer Oil, 14 days @ 90°C | +10 (ASTM F146) |

### SIZES & THICKNESSES

| SHEET DIMENSIONS | THICKNESS |
|---|---|
| 1.2m x 1.0m | 0.75mm |
| 1.2m x 1.2m | 1.5mm, 2.5mm, 3mm, 6mm, 6.4mm, 9.5mm, 22mm |

*Temperature and pressure values cannot be reached simultaneously. This technical data sheet is a result of laboratory tests. E.Dobson & Co is issuing this data sheet as a pure informative document. More details and information are available from our technical department.*

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