

# Technical Data Sheet

## Blue Food Quality Nitrile Rubber WCMA38

**CHEMICAL DESCRIPTION:**

*Acrylonitrile Butadiene, Nitrile Butadiene Rubber (NBR)*

**PHYSICAL PROPERTIES**

**TENSILE STRENGTH:**

8 MPa

**COMPRESSION SET:**

35%

22 Hours @ 70°C

**ELONGATION AT BREAK:**

500%

**ABRASION RESISTANCE:**

305mm<sup>3</sup>

**HARDNESS RANGE:**

70° Sh. A +/- 5°

**HEAT RESISTANCE:**

-30° - +115°C

**OZONE RESISTANCE:**

Poor

**TEAR STRENGTH:**

25 Kg/Cm



**CHEMICAL RESISTANCE**

**WATER:**

*Good to Excellent*

**DILUTE ACIDS & BASES:**

*Good*

**ALKALIS:**

*Good to Excellent*

**OZONE:**

*Poor*

**HYDROCARBONS:**

*Moderate*

**SOLVENTS:**

*Moderate*

*Blue rubbers for use within the food industry have increased in popularity over recent years as it is easier to spot leakages of white foodstuffs against a blue seal.*

*No rubber compound has formal FDA approval as only raw materials which are used to make a compound are given approval by the FDA. All the ingredients in this formulation have been checked against the latest update of the CFR21 FDA 177-2600 ingredient listings and are present at the level permitted. This grade also complies with EC1935/2004.*



EC1935:2004



Complies with FDA Food Contact Regulation 21 CFR177-2600

**ELASTOMERS**



Certificate Number: 14352  
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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