

# Technical Data Sheet

## Blue Food Quality Metal Detectable Nitrile Rubber WCMD396

CHEMICAL DESCRIPTION:

Acrylonitrile Butadiene, Nitrile Butadiene Rubber (NBR)

PHYSICAL PROPERTIES

TENSILE STRENGTH:	9 MPa
COMPRESSION SET: 22 Hours @ 70°C	35%
ELONGATION AT BREAK:	550%
MAGNETIC PULL:	5.5mm
HARDNESS RANGE:	70° Sh. A +/- 5°
HEAT RESISTANCE:	-30° - +100°C
OZONE RESISTANCE:	Poor



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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