

## Marco Compound # B1115 Metal Detectable Blue Nitrile (Buna) Technical Datasheet

### General Description:

B1115 compound was developed to meet the stringent demands of the pharmaceutical and food processing industry with a unique metal detectability range.

### Features:

- Detectable range down to 2-3 mm
- FDA Compliant
- Excellent water and steam resistance
- Free from animal-derived ingredients

### Applications:

- Hygienic sealing in pharmaceutical, bio-analytical and food processing equipment
- O-rings
- Gaskets
- Custom molded parts

### Material Type

NBR

### Service Temperature:

-40 to +250° F

## PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	ASTM	Typical Test Results
Hardness, Shore A	D1415	70
Color		Blue
Tensile Strength, MPa (psi)	D412	7.0 (1,010)
Ultimate Elongation, %		250
Compression Set, 24 hrs @ 100° C (212° F) @ 25% deflection, % of original deflection	D395	12
Heat Resistance: 70 hrs. @ 100° C (212° F)	D573	
Hardness change (points)	D1415	15
Tensile strength change	D412	+/- 20%
Elongation at break change	D412	+/-40%

This information is to the best of our knowledge accurate and reliable. However, Marco Rubber makes no warranty, expressed or implied, that parts manufactured from this material will perform satisfactorily in the customer's application. It's the customer's responsibility to evaluate parts prior to use.