

**General Description:**

Buna-N is the most commonly used general purpose o-ring material because of relatively low cost, good mechanical properties, and basic resistance to many common lubricants. Physical and chemical resistances vary by compound formulation. Marco compound B1062 is specifically formulated to be FDA compliant.

**Features:**

- FDA Compliant
- 3A compliant
- Relative low cost
- Good/Excellent resistance to compression set and tear/abrasion
- Good/Excellent resistance to many petroleum oils/greases, hydraulic fluids, alcohol, ambient water, silicone greases, Di-ester base lubricants and ethylene-glycol based fluids

**Limitations:**

- Ozone, direct sunlight, UV, weathering, aromatic fuels, glycol-based brake fluids, polar solvents, non-flammable hydraulic fluids (HFD), aromatic/chlorinated hydrocarbons, ketones, esters, and aldehydes, 15-year shelf life

Service Temperature:

-30 to 250°F (-34 to 121°C)

## PHYSICAL PROPERTIES

ORIGINAL PROPERTIES	REQUIREMENTS	TYPICAL TEST RESULTS
Hardness, Shore A (pts)	70 +/- 5	72
Color	Black	Black
Tensile Strength (psi)	1000	1920
Ultimate Elongation, % (min)	100 min.	385
Tear Resistance, ASTM D624 (Die C) Kg/cm		48
Modulus at 100% ASTM D412, psi		692
Modulus at 200% ASTM D412, psi		1314
Specific Gravity		1.433
HEAT RESISTANCE – ASTM D 573 (70 hours @ 166 °C)	REQUIREMENTS	TYPICAL TEST RESULTS
Hardness Change, points	+10 max.	0
Tensile Strength Change, %		+2
Ultimate Elongation Change, %		-8
Weight Change, %		-0.3
Volume Change, %		-0.4

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

READY TO SEAL THE SUCCESS OF YOUR APPLICATION?

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