



Marco Compound # B1017

70 Durometer, Black, UL-157 Approved Buna-N Technical Datasheet

Common Names:

NBR (acrylonitrile butadiene rubber), Buna-N, Nitrile.

General Description:

Most commonly used general purpose o-ring material because of relative low cost, good mechanical properties, and basic resistance to many common lubricants. Specific physical and chemical resistances vary by compound formulation. B1017 is similar to Parker's N0674-70 and Parco's 4200-70 compounds

Features:

- UL-157 Codes: D, F, G & J approved.
- 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:

-35 to 250° F

TYPICAL PHYSICAL PROPERTY

ORIGINAL PROPERTIES	Typical Test Results
Hardness, Shore A	70
Color	Black
Tensile Strength, psi	2,300
Ultimate Elongation, %	325
Compression Set (22hrs % 212° F)	12%