



(40 - 80 Duro) Buna-N Nitrile

Nitrile rubber (also referred to as Buna-N Rubber or NBR) is a copolymer of butadiene and acrylonitrile. The name Buna-N is derived from butadiene and natrium (the Latin name for sodium, the catalyst used in polymerizing butadiene). The "N" stands for acrylonitrile. In addition to its excellent elastomeric properties, it is resistant to oil, caustics, and aliphatic hydrocarbons.

Thermodyn offers Nitrile Rubber in several varieties:

- Commercial Grade Nitrile Sheet
- Cloth Inserted (CI) Nitrile
- Nitrile Diaphragm material
- White FDA Nitrile Sheet

The commercial grade Nitrile sheet performs well in petroleum oils & fuels, silicone oils & greases, ethylene glycol, dilute acids, and water (below 212° F). Cloth inserted Nitrile is available for added dimensional stability. Diaphragm grade Nitrile provides maximum flex fatigue resistance in dynamic applications. Several grades of Nitrile are available depending on the application. Thermodyn even carries white FDA Nitrile ready for immediate shipment.

TECHNICAL DATA SHEET | (EFFECTIVE 24FEB25)

Buna-N Nitrile

Physical Property	Unit	Value
Finish	-	Plate
Tensile	psi	750
Elongation	%	300
Tempurature	°F	-20 to 170
Color	-	Black