

NITRILE BUTADIENE RUBBER (BUNA-N)

Technical Data Sheet – A1679

Updated 29.04.2023

Product Description

Acrylonitrile, NBR, Buna-N, Nitrile Rubber are commonly used names for this compound.

General Temperature Range: - 30°C to 100°C

Adheres to: ASTM D2000 M2BG714 A14 B14 EA14 EF11 EF21 EO14 EO34 F17

Standard Hardness (SHORE A): 60, **70**, 80 and **90**

Available in Other Hardness as per client requirement

Used in the Automotive, Aircraft, Off-road and Marine fuel systems due to strong resistance to Oil and Fuels.



Physical Properties [UOM]

Values

	<u>70 Hardness</u>	<u>90 Hardness</u>
Hardness [Shore A] (ASTM D 2240)	70 ± 5	90 ± 5
Tensile [MPa] (ASTM D412)	14.4	16.0
Elongation at Break [%] (ASTM D 412)	321	179.7
Specific Gravity [g/cm ³]	1.23	1.32
Compression Set [%] (ASTM D395 – B14) (22 Hours @ 100°C)	12%	14%

Commonly used in Fuel Systems but also air, water and other chemicals.

See chemical rating chart for more information.