



HANNA RUBBER COMPANY

Specification Sheet



Nitrile (NBR) (Buna)

Hanna Rubber stocks Nitrile (NBR) 36" wide rolls 1/32" – 2" thick (40-90 durometer).

Nitrile (Buna-N) is a general purpose oil resistant polymer which has good solvent, oil, water and hydraulic fluid resistance, good compression set, abrasion resistance and tensile strength.

Nitrile should not be used in highly polar solvents such as acetone, and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.

Grade	Duro Shore A± 5	Thickness (in.)	Width (in.)	Tensile (psi)	Ultimate Elongation %	Temp Range	Est. Weight Per Linear Ft (1/8" x 36")	Specifications ASTM D 2000
Commercial Grade	40	1/16 - 1"	36, 48	800	350	-20°F to +170°F	2.5 lb	1BF 408
	50	1/32 - 1	36, 48	800	300	-20°F to +170°F	2.6 lb	1BF 508
	60	1/32 - 1	36, 48	900	200	-20°F to +170°F	2.6 lb	1BF 606
	70	1/32 - 1	36, 48	1000	200	-20°F to +170°F	2.7 lb	1BF 710
	80	1/32 - 1	36, 48	1000	100	-20°F to +170°F	2.6 lb	1BF 810
Mid-Grade	40	1/32 - 1/4	36, 48	900	450	-30°F to +200°F	2.15 lb	1BC 408
	50	1/32 - 1/4	36, 48	1100	400	-30°F to +200°F	2.32 lb	1BC 510
	60	1/32 - 1/4	36, 48	1200	300	-30°F to +200°F	2.46 lb	1BC 610
	70	1/32 - 1/4	36, 48	1200	250	-30°F to +200°F	2.47 lb	1BC 710
	80	1/32 - 1/4	36, 48	1200	150	-30°F to +200°F	2.52 lb	1BC 810
High Grade	40	1/64 - 1/4	36, 48	1100	500	-30°F to +225°F	2.22 lb	6BG 410 A14 B14
	50	1/64 - 1/4	36, 48	1400	400	-30°F to +225°F	2.32 lb	6BG 512 A14 B14
	60	1/64 - 1/4	36, 48	1600	300	-30°F to +225°F	2.36 lb	6BG 615 A14 B14
	70	1/64 - 1/4	36, 48	1700	250	-30°F to +225°F	2.48 lb	6BG 715 A14 B14
	80	1/64 - 1/4	36, 48	1600	150	-30°F to +225°F	2.59 lb	6BG 815 A14 B14
	90	1/64 - 1/4	36, 48	1600	100	-30°F to +225°F	2.34 lb	6BG 915 A14 B14

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