



HANNA RUBBER COMPANY

Specification Sheet



Neoprene Rubber

Hanna Rubber stocks Neoprene (CR-chloroprene) in 36" and 48" wide rolls 1/32" – 2" thick (40-90 durometer).

Neoprene is a polymer chloroprene and is available in many varieties including nonsulfur modified "W" and the more common sulfur modified "GN" types. Neoprene is known for its resistance to oil, gasoline, sunlight, ozone and oxidation; however, there are other polymers that have better resistance to these same elements. CR's most important advantage is its ability to combine these properties moderately into one all-purpose polymer.

Certain compounds of neoprene are flame resistant and will not support combustion. Resistance to corrosive action of chemicals is good, but is inferior to butyl, Hypalon, EP and fluorocarbons. Neoprene G types exhibit better resilience, tensile strength, tear resistance and dynamic properties; whereas neoprene W types are better for abrasion resistance and compression set properties.

Grade	Durometer	Thickness (in.)	Width (in.)	Tensile Strength (psi)	Ultimate Elongation Percent	Temperature Range	Weight (per LF)	Specifications
Commercial Grade	40	1/32 – 2	36, 48	800	350	-20°F to +170°F	2.5 lb	ASTM D 2000 1BC 408, SAE J200 1BC 408, MIL R 3065 SC 408 Z1
	50	1/32 - 2	36, 48	800*	300	-20°F to +170°F	2.6 lb	ASTM D 2000 1BC 508, SAE J200 1BC 508, MIL R 3065 SC 508
	60	1/32 - 2	36, 48	900*	300	-20°F to +170°F	2.7 lb	ASTM D 2000 1BC 609, SAE J200 1BC 609, MIL R 3065 SC 609
	70	1/32 - 2	36, 48	1000	200	-20°F to +170°F	2.7 lb	ASTM D 2000 1BC 710, SAE J200 1BC 710, MIL R 3065 SC 710
	80	1/32 - 2	36, 48	1000	100	-20°F to +170°F	2.8 lb	ASTM D 2000 1BC 810, SAE J200 1BC 810, MIL R 3065 SC 810
Mid-Grade	30	1/32 - 1/4	36, 48	450	300	-30°F to +200°F	2.2 lb	M1BC 303
	40	1/32 - 1/4	36, 48	450	300	-30°F to +200°F	2.45 lb	M1BC 403
	50	1/64 - 1/2	36, 48	1000	300	-30°F to +200°F	2.46 lb	M1BC 507
	60	1/64 - 1/2	36, 48	1000	300	-30°F to +200°F	2.48 lb	M1BC 607
	70	1/64 - 1/4	36, 48	1000	200	-30°F to +200°F	2.52 lb	M1BC 707
	80	1/32 - 1/4	36, 48	1000	100	-30°F to +200°F	2.75 lb	M1BC 807
Premium Grade	30	1/32 - 1/4	36, 48	450	300	-30°F to +220°F	2.43 lb	M1BC 303
	40	1/64 - 1/4	36, 48	1000	400	-30°F to +220°F	2.46 lb	M1BC 407
	50	1/64 - 1/4	36, 48	1450	350	-30°F to +220°F	2.54 lb	M1BC 510
	60	1/64 - 1/4	36, 48	1450	350	-30°F to +220°F	2.65 lb	M1BC 610
	70	1/64 - 1/4	36, 48	1450	250	-30°F to +220°F	2.77 lb	M1BC 710
	80	1/64 - 1/4	36, 48	1450	100	-30°F to +220°F	2.79 lb	M1BC 810
	90	1/32 - 1/4	36, 48	1000	100	-30°F to +220°F	2.81 lb	M1BC 907

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