

Metro Industries Material Specification	<i>Matl Style Code</i>
	RSNE-A50

Material Description	Neoprene sheet rubber, commercial grade, medium hardness (50 Durometer, Shore A).
General Features	Neoprene rubber is a general purpose elastomer that is both versatile and economical. Compounds vary, but neoprene typically offers excellent physical strength, resilience, flexibility, elasticity, flame retardance, and operating temperature ranges. It also weathers well against sunlight and ozone, and retains its physical properties against moderate contact with many chemicals and acids, ozone, oils, fats, greases, and solvents. The physical properties of neoprene rubber tend to degrade through contact with strong oxidizing acids, esters, ketones, plus chlorinated aromatic and nitro hydrocarbons.
Aliases	CR, Chloroprene
Common Variations	Standard rolls and slabs (thicker grades) in fractional increments from 1/64" thick and up, widths of 36" and 48", smooth and cloth textured surface finishes, and black color, with a wide range of custom variations also available.
Common Applications	Rubber gaskets, seals, rubber washers, flange gaskets, construction load bearing pads, cushions, pads, mats, and other mechanical component parts and products. .

Physical Properties*

	Value	Tol	Unit	Method/Remarks
Hardness	50	+/- 5	Shore A	Durometer
Service Temperature	-20 min +180 max	Ref Only	Degrees F	Extended exposure to extreme limits not recommended.
Tensile Strength	500	Min	PSI	ASTM
Ultimate Elongation	300	Min	%	ASTM

* Physical Properties are based on manufacturers' published "Typical Properties" and are offered here for reference only unless otherwise specified.

Dimensional Tolerances

Unless otherwise specified, dimensional tolerances for uncut raw materials and fabricated products are defined in Configuration Specification [STD-R01](#).

Revisions

Rev#	Date	Description	Approved	Date
00	5/1/2012	Original Release	Dan Garrett	5/8/2012