

Metro Industries Material Specification	<i>Matl Style Code</i>
	RSBN-F55

Material Description	FDA White Nitrile (Buna-n) sheet rubber, medium to medium-hard (55-60 Durometer, Shore A).
General Features	White Nitrile rubber is formulated with FDA approved ingredients and is used extensively in the food and pharmaceutical environments. It is non-toxic, non-marking and non-allergenic. It exhibits good abrasion resistance and works well with oily and greasy food products.
Specifications	Food Grade White Nitrile sheet made from FDA-approved ingredients per 21 CFR 177.26000. ASTM D 2000 M1BG 607
Aliases	White Nitrile Rubber, White Buna-n, White Buna, White NBR, White Perbunan, White Nitrile Butadiene
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 white color, with a wide range of custom variations also available.
Common Applications	Rubber gaskets, o-rings, rubber washers, and other rubber seals in application environments including oils and fuels.

Physical Properties*

	Value	Tol	Unit	Method/Remarks
Hardness Range	50-65	N/A	Shore A	Durometer
Service Temperature	-30 min 220 max	Ref Only	Degrees F	Extended exposure to extreme limits not recommended.
Tensile Strength	1050	Min	PSI	ASTM
Ultimate Elongation	400	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	5/19/2012