

<b>Metro Industries Material Specification</b>	<b>Matl Style Code</b>
	<b>RSSI-50Z</b>

<b>Material Description</b>	Silicone sheet rubber, specification grade, medium hardness (50 Durometer, Shore A).
<b>General Features</b>	Specification grade Silicone rubber is designed to be used in applications where higher physical properties and lower compression set are required. It is resistant to extreme high and low temperature ranges.
<b>Specifications</b>	ZZ-R-765 2A & 2B
<b>Aliases</b>	Polysiloxane
<b>Common Variations</b>	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 red color, with a wide range of custom variations also available.
<b>Common Applications</b>	Rubber gaskets, o-rings, rubber washers, and other rubber seals in extreme temperature application environments.

## Physical Properties\*

	<b>Value</b>	<b>Tol</b>	<b>Unit</b>	<b>Method/Remarks</b>
<b>Hardness</b>	50	+/- 5	Shore A	Durometer
<b>Service Temperature</b>	-65 min 425 max	Ref Only	Degrees F	Extended exposure to extreme limits not recommended.
<b>Tensile Strength</b>	700	Min	PSI	ASTM
<b>Ultimate Elongation</b>	200	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

<b>Rev#</b>	<b>Date</b>	<b>Description</b>	<b>Approved</b>	<b>Date</b>
00	5/1/2012	Original Release	Dan Garrett	06/23/2012