

# Metro Industries Material Specification

*Matl Style Code*

**RSSI-D40**

<b>Material Description</b>	Silicone sheet rubber, commercial grade, medium-soft (40 Durometer, Shore A).
<b>General Features</b>	Commercial grade Silicone rubber is designed to be used in applications where physical properties are not critical, but extreme temperature (high or low) resistance is still needed.
<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\*

	Value	Tol	Unit	Method/Remarks
<b>Hardness</b>	40	+/- 5	Shore A	Durometer
<b>Service Temperature</b>	-65 min 400 max	Ref Only	Degrees F	Extended exposure to extreme limits not recommended.
<b>Tensile Strength</b>	550	Min	PSI	ASTM
<b>Ultimate Elongation</b>	240	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	06/23/2012