

Metro Industries Material Specification	<i>Matl Style Code</i>
	RSSI-D50

Material Description	Silicone sheet rubber, commercial grade, medium hardness (50 Durometer, Shore A).
General Features	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.
Aliases	Polysiloxane
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 red color, with a wide range of custom variations also available.
Common Applications	Rubber gaskets, o-rings, rubber washers, and other rubber seals in extreme temperature application environments.

Physical Properties*

	Value	Tol	Unit	Method/Remarks
Hardness	50	+/- 5	Shore A	Durometer
Service Temperature	-65 min 400 max	Ref Only	Degrees F	Extended exposure to extreme limits not recommended.
Tensile Strength	500	Min	PSI	ASTM
Ultimate Elongation	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

Rev#	Date	Description	Approved	Date
00	5/1/2012	Original Release	Dan Garrett	6/23/2012