

<b>Metro Industries Material Specification</b>	<i>Matl Style Code</i>
	<b>RSEP-C50</b>

<b>Material Description</b>	EPDM sheet rubber, commercial grade, medium hardness (50 Durometer, Shore A).
<b>General Features</b>	EPDM rubber is an economical elastomer that generally features excellent stability when exposed to sunlight and ozone, as well as slightly broader chemical resistance and operating temperature ranges than neoprene and SBR rubber. EPDM rubber tends to withstand contact with animal fats, vegetable oils, and oxidizing chemicals, but has generally poor resistance to petroleum-based fluids.
<b>Aliases</b>	EP Rubber, EPR, Ethylene Propylene Diene Monomer (M-class) Rubber
<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 black color, with a wide range of custom variations also available.
<b>Common Applications</b>	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
<b>Hardness</b>	50	+/- 5	Shore A	Durometer
<b>Service Temperature</b>	-22 min 212 max	Ref Only	Degrees F	Extended exposure to extreme limits not recommended.
<b>Tensile Strength</b>	725	Min	PSI	ASTM
<b>Ultimate Elongation</b>	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	06/23/2012