

Metal Rubber™ Sensors and Electrodes

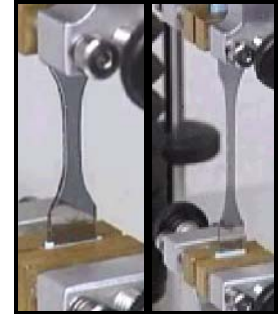
Product #: MR-01-D5- and MR-01-S5



MR-01-D5: ASTM D 638 dogbone



MR-01-S5: Rectangular Electrodes



MR-01-D5 in Tension

Product Features

Metal Rubber™ is a unique self-assembled nanocomposite material that combines the high electrical conductivity of metals with the low mechanical modulus of elastomers. Self-assembly processing allows the simultaneous modification of both conductivity and modulus during manufacturing. Product Properties: Sheet resistance: 1.0 to 100 Ω/\square and mechanical strain (% elongation): 200 to 300%. The electrical conductivity (sheet resistance), aesthetics and thickness vary slightly between samples. See NanoSonic's [material properties of Metal Rubber™](#).

Metal Rubber™ has a wide range of possible applications, from mechanically flexible electrical interconnections and electromagnetic shielding to the measurement of large mechanical deformations. See NanoSonic's application notes and papers for possible suggestions.

Product Parameters

Product #	Function	Dimensions	ASTM	Thickness	Estimated Delivery Time
MR-01-D5	Dogbone Sensors	2.5" x 0.5"	D 638	1 mm thick	1-2 weeks
MR-01-S5	Rectangular Electrodes	1.5" x 0.5"	D 638	1 mm thick	1-2 weeks

For pricing or additional product information, please contact our Sales Representative:
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