

## Conductive Elastomer

### Nickel Graphite particles

#### Physical Properties

#### Typical values:

Colour	Dark grey
Shore A Hardness ( $\pm 5$ )	60
Specific gravity ( $\text{g}/\text{cm}^3$ )	$2.0 \pm 0.1$
Tensile strength (MPa)	2.02
Elongation (% Min)	110
Volume Resistivity ( $\Omega / \text{cm}$ )	0.1 Max
Operating Temperature	$-55^\circ\text{C}$ to $+160^\circ\text{C}$ ( $-67^\circ\text{F}$ to $+320^\circ\text{F}$ )

#### Shielding effectiveness

@200Khz (H-Field)	76dB
@100MHz (E-Field)	101dB
@500MHz (P-Field)	104dB
@2GHz (P-Field)	100dB
@10GHz (P-Field)	107dB

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