



HSM Wire International, Inc

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Nichrome 60 & 62 / 16

Nominal Data Sheet

Nominal Composition

Chromium:	16.0%
Iron:	Balance
Silicone	1.5%
Nickel:	60.0%

Typical Mechanical Properties for Annealed Wire

Ultimate Tensile Strength	200,000 lb/in ²	Hard Drawn
Specific Resistance	675 Ohms per Circular Mil foot at 68°F	
Elongation in 2" *	20%	
Specific Gravity	8.25%	

Physical Properties

Density	0.2979 lbs/cu/in
Melting Point (approx.)	1350°C
Electrical Resistivity @ RT	112 Microm ² cm
Temperature Coefficient of Resistivity (20° to 500°C)	0.00015 Ohms
Linear Expansion Coefficient (20° to 1000°C)	17.5 x 10 ⁶ / °C
Thermal Conductivity @ 100°C	0.132 W/cm/°C
Magnetic Attraction	Para

To be used as a guideline only.

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