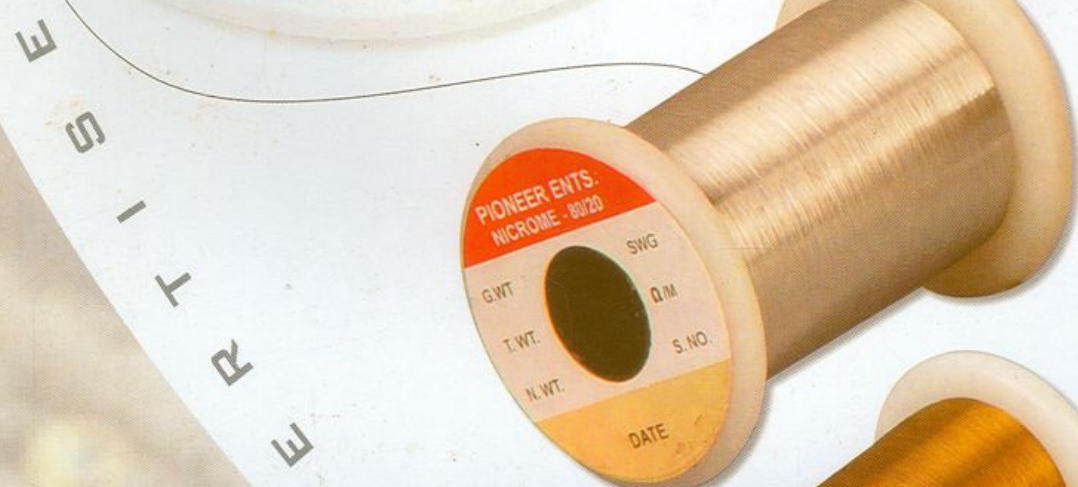
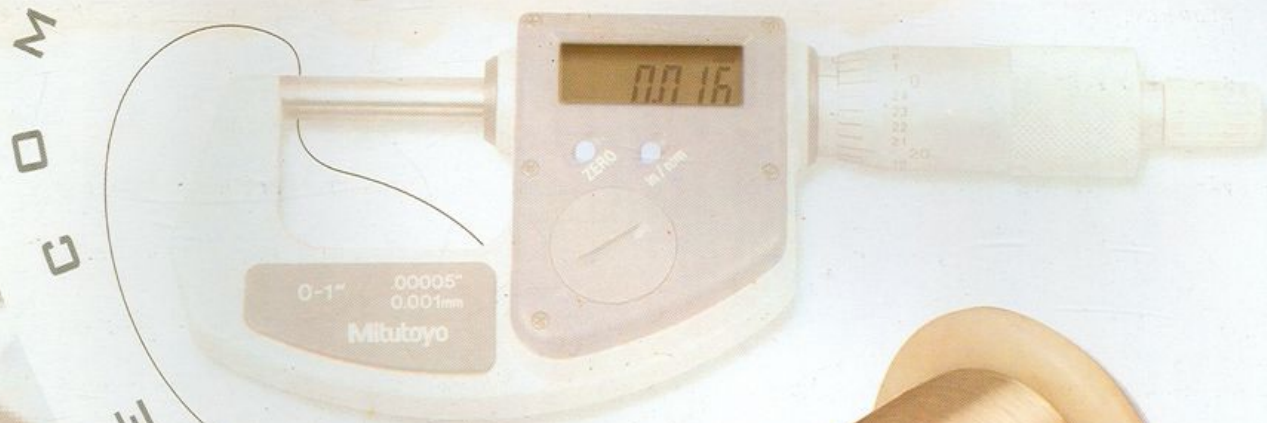


A WIRE EXPERTISE COMPANY



C O M P A N Y



PIONEER

W I R E

COMPANY PROFILE

We are pleased to introduce ourselves as a company, which deals in various quality of wire to fulfill our customer stringent needs and satisfying the same. We manufacture the products with the Principle of quality as well as core Effective solution to meet the customer requirements.

We constantly monitor global trends & practices in the wire industry enabling to provide you with innovative customized solutions as per your requirements. We are specially focused towards best quality, competitive pricing, best-in-class service and flexible customized support in any type of wire requirements. We have exclusive marketing arrangements & complete technical support with know-how wire process technology, quality assurance etc. which ensures smoother and consistent production.

And above all we are offering 100% replacement warranty on our product. We are specialized in Nichrome 80/20 wire; range up to 5500 Ω /m. Composition of Nichrome is 80% of Nickel & 20% of chromium alloys, which is marketed in heavier sizes as resistance heating wires. It delivers high resistivity and a moderate temperature coefficient value.

A fine gauge wire (i.e. NICHROME 80/20), is used in wide range of application areas, for instance in low temperature heating, in electronic devices as variable frequency controller like potentiometers, pressure transducers, detonators, ceramic resistance, wire wound resistance, lead wires, even strings in musical instruments etc. and day-by-day new appliances are added as customers to find out the faculty of turning one's mind to another, of precision wire.

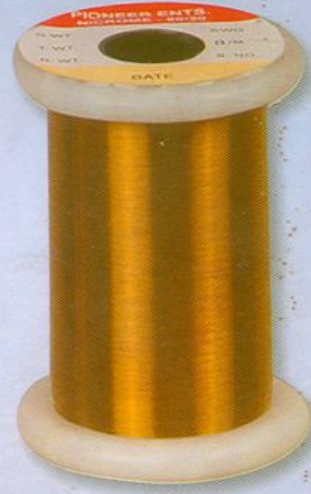
Therefore please let us be a part of your business for valued combination to give the quality product to the world.

PHYSICAL AND MECHANICAL PROPERTIES

Nominal Composition		Max. Continuous Operating Temp.		Melting Point	
Chromium (Cr)	20%	Centigrade (°C)	1200	Centigrade (°C)	1400
Nickel (Ni)	80%	Fahrenheit (°F)	2190	Fahrenheit (°F)	2550
Tensile Strength		Yield Point		Tensile Strength at 900° C	
N / mm ²	810	N / mm ²	420	N / mm ²	100
bar	8234	bar	4267	bar	1016
Electrical Resistivity at 20° C		Density		Magnetic Properties	
Ω mm ² / m	1.09	g / cm ³	8.30	Non Magnetic	- -



NICHROME 80 / 20
BRIGHT ANNEALED



NICHROME 80 / 20
OXIDIZED ANNEALED



DUST FREE
CONTAINER



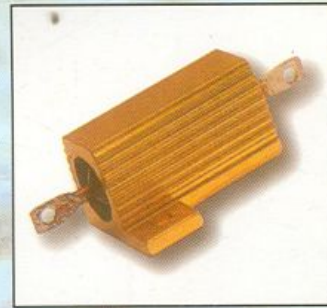
TECHNICAL SPECIFICATION

To obtain the resistance at operating temperature, multiply the resistance at 20° C by the coefficient Ct

° C	100	200	300	400	500	600	700	800	900	1000	1100	1200
° F	212	392	572	752	932	1112	1292	1472	1652	1832	2012	2192
Ct	1.01	1.02	1.03	1.04	1.05	1.04	1.04	1.04	1.04	1.05	1.06	1.07

SWG	DIA (mm)	DIA (inch)	Ω/M	WEIGHT/100 mtr. (in gms)	LENGTH (m/kg)
42	0.102	0.0040	132.2	6.50	14550
43	0.091	0.0036	164.6	5.30	18115
44	0.081	0.0032	208.1	4.18	22936
45	0.071	0.0028	272.0	3.20	29940
46	0.061	0.0024	369.6	2.35	40650
47	0.050	0.0020	532.8	1.63	58820
48	0.040	0.0016	834.0	1.04	91740
49	0.030	0.0012	1478.0	0.587	162900
50	0.025	0.0010	2131.0	0.407	234600

SWG	DIA (mm)	DIA (inch)	Ω/M	WEIGHT/100 mtrs. (in gms)
51	0.022	0.00085	2794	0.316
52	0.020	0.00080	3504	0.261
53	0.018	0.00070	4448	0.211
54	0.016	0.00065	5647	0.167



PIONEER ENTERPRISES

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