

Lega Nichel-Cromo 80/20



Via dell'industria 4 - Cormano (MI) - P.IVA
07928450159 Tel. +39 0266301824 Fax +39
026150148. www.sistemsrl.it
sistem33@sistemsrl.191.it

Main characteristics of Nichrome electric heating alloys

Alloy		NiCr 80/20	NiCr 70/30	NiCr 60/15	NiCr 40/20	NiCr 30/20
Main Chemical composition	Ni	Rest	Rest	55.0-61.0	34.0-37.0	30.0-34.0
	Cr	19.0-21.0	28.0-31.0	15.0-18.0	18.0-21.0	18.0-21.0
	Fe	≤1.0	≤1.0	Rest	Rest	Rest
Max. continuous service temp. of element (°C)		1200	1250	1150	1100	1100
Resistivity at 20°C (μΩ·m)		1,08	1,18	1,12	1,05	104,00
Density (g/cm ³)		8,40	8,10	8,20	8,30	8,30
Thermal conductivity (KJ/m·h·°C)		60,30	45,20	45,20	43,80	43,80
Coefficient of lines expansion (α×10 ⁻⁶ /°C)		18,00	17,00	17,00	19,00	19,00
Melting point approx.(°C)		1400	1380	1390	1390	1390
Elongation at rupture annealed conditions (%)		>20	>20	>20	>20	>20
Micrographic structure		austenite	austenite	austenite	austenite	austenite
Magnetic properties		Non magnetic	Non magnetic	Weak magnetic	Weak magnetic	Weak magnetic

MERCE IN PRONTA CONSEGNA

+39 02 66301824

