

# Lega Nichel-Cromo 60/15



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## Main characteristics of Nichrome electric heating alloys

Alloy		NiCr 80/20	NiCr 70/30	NiCr 60/15	Ni/Cr 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 <sup>3</sup> )		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 <sup>-6</sup> /°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**

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