



ELECTROVEK-STEEL

D N I P R O P E T R O V S K C I T Y , U K R A I N E

telephone/ fax:

+49 (0) 208 205-83-073 Mülheim, Germany

+7 (495)639-93-00 Moscow, Russia

+38 (056)790-91-90 Dnipro, Ukraine

www.evek.biz

NI60CR15 ALLOY PROPERTIES

ALLOY		Ni60Cr15
Material		2.4867
Description		NiCr 60 15
DIN		17470/17471
UNS		N06004
ASTM		---
AMS		---
CHEMICAL COMPOSITION, (%)		
Nickel, (Ni)		Min 59.0
Chromium, (Cr)		14.0 – 17.0
Iron, (Fe)		Rest
Carbon, (C)		Max 0.10
Manganese, (Mn)		Max 1.0
Silicon, (Si)		1.0-1.75
Copper, (Cu)		Max 0.5
Aluminum, (Al)		Max 0.3
Rare earth		Max 0.04
Other		---
MECHANICAL PROPERTIES AT 20°C		
Repeat bending frequency (F/R)		> 7
Elongation at rupture (%)		> 20
PHISICAL PROPERTIES AT 20°C		
Density (g/cm ³)		8.2
Hardness (H.B.)		200-220
Tensile strength (N/mm ²)		637-784
Resistivity at 20 °C (μΩ·m)		1.12
Max. continuous service temperature of element(°C)		1150
Melting point (approx.)(°C)		1390
Magnetic properties		Weak magnetic
WORKING CYCLE		
diameter 6,0mm and higher	at T=1100 °C	more than 4000 hours
diameter 3,0-6,0mm	at T=1050 °C	more than 2000 hours
diameter 1,5-3,0mm	at T=1050 °C	more than 2000 hours
diameter 0,4-1,5mm	at T=1050 °C	more than 1000 hours
MATERIAL DESCRIPTION:		
- high corrosion resistance in air, oxidizing medium, and vacuum;		

