

## SP 80/20 NiCr

**CATEGORY** Metal spray wires

**APPLICATIONS** Ceweld SP 80/20 is a nickel-chromium electrical-resistance alloy for use at operating temperatures up to 2100°F (1150°C). It contains rare-earth additions for increased oxidation resistance, especially under conditions of frequent switching or wide temperature fluctuations. The alloy has a low temperature coefficient of resistance, making it suitable for control resistors. Used for heating elements in domestic appliances and industrial equipment. Excellently suitable as a buffer layer before finishing with ceramic layers.

**CLASSIFICATION** DIN: W.Nr. 2.4869

**SUITABLE FOR** NiCr metal spray wire for heat resistant coatings with excellent bonding strength.

**WELDING POSITIONS:**



**WELD METAL ANALYSIS %**

C	Mn	Fe	Si	Cr	S	Ni+Co
< 0.15	< 1.0	< 1.0	0.75-1.75	19-21	< 0.01	rem

**WELDING PARAMETERS PACKING**

Welding Parameters			Packing
D (mm)	Voltage (V)	Current (A)	kg / spool
1.6	29-32	100-250	15