

90-11M

AWS/ASME SFA-5.9 ERNiCr3

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ERNiCr3 is a nickel-chromium alloy used for electrode-cored wire. It is designed for use in the shielded metal arc (stick) process. The alloy is characterized by its high strength and excellent resistance to oxidation and corrosion. The typical composition is as follows:

C	Mn	Cr	Nb+Ta	Ni
0.05	3	20.5	3.5	base

The alloy is typically used for welding austenitic stainless steels and nickel alloys. It is suitable for use in both the gas metal arc (MIG) and shielded metal arc (stick) processes. The alloy is available in various forms, including wire and electrode-cored wire.

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C	Mn	Cr	Nb+Ta	Ni
0.05	3	20.5	3.5	base

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(N/mm ²)	(N/mm ²)	Lo=4d(%)	2 ⁰⁰ C
>640	>400	>35	>150

Written by Administrator

Sunday, 04 November 2018 17:18 - Last Updated Sunday, 04 November 2018 17:40

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