



Shanghai Hite Special Alloy Co., Ltd.
<https://www.hitealloy.com>



ERNiFeCr-1

1. Brief introduction:

ERNiFeCr-1 welding wire is mainly used for tungsten inert gas welding and gas metal arc welding of ERNiFeCr-1 alloy and other alloys with similar nickel iron chromium copper composition. The weld metal formed by this welding material has excellent corrosion resistance, particularly resistant to the corrosion of reducing chemicals such as sulfuric acid and phosphoric acid.

2. Main specifications:

ERNiFeCr-1, incoloy 65

3. ERNiFeCr-1 source URL:

<https://www.hitealloy.com/product/ernifecr-1.html>



4. Chemical composition:

AWS Classification	UNS Number	Chemical composition																
		C	Mn	Fe	P	S	Si	Cu	Ni	Co	Al	Ti	Cr	Nb+Ta	Mo	V	W	Other Elements Total
ERNi-1	No2061	≤0.15	≤1.0	≤1.0	≤0.03	≤0.015	≤0.75	≤0.25	≥93.0	-	≤1.5	2.0-3.5	-	-	-	-	-	≤0.5
ERNiCu-7	No4060	≤0.15	≤4.0	≤2.5	≤0.02	≤0.015	≤1.25	Remainder	62.0-69.0	-	≤1.25	1.5-3.0	-	-	-	-	-	≤0.5
ERNiCr-3	No6082	≤0.1	2.5-3.5	≤3.0	≤0.03	≤0.015	≤0.5	≤0.5	≥67.0	(e)	-	≤0.75	18.0-22.0	2.0-3.0	-	-	-	≤0.5
ERNiCrFe-11	No6601	≤0.1	≤1.0	Remainder	≤0.03	≤0.015	≤0.5	≤1.0	58.0-63.0	-	1.0-1.7	-	21.0-25.0	-	-	-	-	≤0.5
ERNiFeCr-2	No7718	≤0.08	≤0.35	Remainder	≤0.015	≤0.015	≤0.35	≤0.3	50.0-55.0	-	0.2-0.8	0.65-1.15	17.0-21.0	4.75-5.5	2.8-3.3	-	-	≤0.5
ERNiCrMo-3	No6625	≤0.1	≤0.5	≤5.0	≤0.02	≤0.015	≤0.5	≤0.5	≥58.0	-	≤0.4	≤0.4	20.0-23.0	3.15-4.15	8.0-10.0	-	-	≤0.5
ERNiCrMo-4	N10276	≤0.02	≤1.0	4.0-7.0	≤0.04	≤0.03	≤0.08	≤0.5	Remainder	≤2.5	-	-	14.5-16.5	-	15.0-17.0	≤0.35	3.0-4.5	≤0.5
ERNiCrMo-10	No6022	≤0.015	≤0.5	2.0-6.0	≤0.02	≤0.01	≤0.08	≤0.5	Remainder	≤2.5	-	-	20.0-22.5	-	12.5-14.5	≤0.35	2.5-3.5	≤0.5
ERNiCrCoMo-1	No6617	0.05-0.15	≤1.0	≤3.0	≤0.03	≤0.015	≤1.0	≤0.5	Remainder	10.0-15.0	0.8-1.5	≤0.6	20.0-24.0	-	8.0-10.0	-	-	≤0.5
ERNiFeCr-1	No8065	≤0.05	≤0.1	≥22.0	≤0.03	≤0.03	≤0.5	1.5-3.0	38.0-46.0	-	≤0.2	0.6-1.2	19.5-23.5	-	2.5-3.5	-	-	≤0.5

e:Co is 0.12max when specified by the purchaser.