

HASTELLOY® C-4 RTW™ Filler Metal

Product Description:

HASTELLOY® C-4 RTW™ filler metal is used for the gas metal and gas tungsten arc welding of C-4 alloy. The deposited weld metal has outstanding high-temperature stability in the 1200°F to 1900°F range. The weld metal has excellent resistance to stress corrosion cracking and oxidizing atmospheres up to 1900°F. It also resists a wide variety of chemical process environments. The RTW™ filler metal finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AWS A5.14 ERNiCrMo-7 UNS N06455

ASME SFA-5.14 ERNiCrMo-7

Minimal Mechanical Properties:

Tensile (psi)	100,000
Mpa	690
Elongation (%)	-

Composition:

Nickel:	Remainder	Copper:	0.50 max.
Chromium:	14.0-18.0	Other:	0.50 max.
Molybdenum:	14.0-18.0	Tungsten:	0.50 max.
Iron:	3.0 max.	Silicon:	0.08 max.
Cobalt:	2.0 max.	Phosphorus:	0.04 max.
Manganese:	1.0 max.	Sulfur:	0.03 max.
Titanium:	0.70 max.	Carbon:	0.015 max.

Available Product Forms and Sizes:

Diameter in	0.030	0.031	0.035	0.039	0.045	0.047	0.062	0.078	0.093	*0.125	*0.156x	0.187x
Diameter mm	0.76	0.80	0.89	1.00	1.10	1.20	1.60	2.00	2.40	*3.20	*4.00x	*4.70x

Filler metals are available in MIG spools, TIG cut lengths, reels, and coils from the above diameters.

*Size not available in MIG spools.

• Size not available on reels.

Standard TIG straight lengths are available in 36" (914mm) lengths. *Other lengths available upon request.*