

HASTELLOY® C-276 RTW™ Filler Metal

HASTELLOY® C-276 RTWâ„ç Filler Metal

Product Description:

HASTELLOY® C-276 RTW™ filler metal is used for the gas metal, gas tungsten arc, and submerged welding of C-276 alloy. HASTELLOY® C-276 is also a good candidate for overlay and cladding of steels when enhanced corrosion resistance is required. Dissimilar welding applications include other nickel-chromium-molybdenum alloys and stainless steels. 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-4 UNS N10276

ASME-SFA-5.14 ERNiCrMo-4 ASME IX F-43

Kennblatt 0320.04(C/L)*

*Specify at time of order

Composition:

Nickel:	Balance
Chromium:	14.5-16.5
Molybdenum:	15.0-17.0
Iron:	4.0-7.0
Tungsten:	3.0-4.5
Cobalt:	2.5 max.
Manganese:	1.0 max.

Copper:	0.50 max.
Other:	0.50 max.
Vanadium:	0.35 max.
Carbon:	0.02 max.
Sulfur:	0.03 max.
Phosphorus:	0.04 max.
Silicon:	0.08 max.

Minimal Mechanical Properties:

Tensile (psi)	100,000
Mpa	690
Elongation (%)	30

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.*