

Wire and Welding products

HAYNES
Wire Company



HAYNES® 214® RTW™ Filler Metal

Product Description:

HAYNES® 214® RTW™ filler metal is used for the gas tungsten arc and gas metal arc welding of HAYNES® 214® alloy. The deposited weld metal has outstanding oxidation resistance to 2300°F and excellent resistance to carburization and excellent resistance to chlorine-bearing environments. The alloy is used in demanding industrial heating applications and specialized gas turbine parts, such as honeycomb seals. The RTW™ finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

HAYNES PS-6076-2

Weld Deposit Chemistry:

Ni	Balance
Cr	15.00 - 17.00
Al	4.10 - 5.00
Fe	2.00 - 4.00
Co	2.00 max.
Mn	0.50 max.
Mo	0.50 max.

Ti	0.50 max.
W	0.50 max.
Si	0.20 max.
Cb	0.15 max.
C	0.05 max.
Y	0.003 - 0.04
Zr	0.02 max.

P	0.015 max.
S	0.015 max.
Mg	0.010 max.
B	0.004 max.

Minimum Mechanical Properties:

Tensile (psi)	-
Mpa	-
Elongation (%)	-

Available Product Forms:

Diameter, in.	0.031	0.035	0.039	0.045	0.047	0.062	0.078	0.093	0.125
Diameter, mm.	0.8	0.9	1.0	1.1	1.2	1.6	2.0	2.4	3.2

Filler metals are available in spools and in cut lengths from the above diameters.

Straight lengths are available in 36" lengths.

HW-7045

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