

Wire and Welding products

HAYNES
Wire Company



HAYNES® 556® RTW™ Filler Metal

Product Description:

HAYNES® 556® alloy is used for the gas metal arc and gas tungsten arc welding of HAYNES® HR-120® alloy to itself. The alloy is also a great candidate for dissimilar welding of other high temperature alloys including HR-160® alloy and other nickel and cobalt high temperature materials. The weld metal has excellent resistance to high temperature corrosive environments including WTE, heat-treating, refinery and boiler applications. The RTW™ filler metal finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AMS 5831

AWS A5.9 ER3556

Weld Deposit Chemistry:

Fe.....	Remainder	Al.....	0.50 max.
Cr.....	21.0 - 23.0	N.....	0.30 max.
Ni.....	19.0 - 22.5	Nb.....	0.30 max.
Co.....	16.0 - 21.0	C.....	0.15max.
Mo.....	2.5 - 4.0	Zr.....	0.15 max.
W.....	2.0 - 3.5	La.....	0.10 max.
Mn.....	0.50 - 2.0	P.....	0.04 max.
Ta.....	0.30 - 1.25	B.....	0.02 max.
Si.....	0.80 max.	S.....	0.015 max.

Minimum Mechanical Properties:

Tensile (psi)	107,300
Mpa	740
Elongation (%)	43.1

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-7009B

HAYNES
Wire Company

158 N. Egerton Road P.O. Box 677 Mountain Home, North Carolina USA 28758-0677
Telephone: 828-692-5791 800-438-7263 FAX: 828-697-9818 haynesintl.com

HAYNES® 556® RTW™ Filler Metal