

MULTIMET[®] RTW[™] Filler Metal

Product Description:

MULTIMET[®] RTW[™] filler metal is used for the gas tungsten arc and gas metal arc welding of MULTIMET[®] alloy. The deposited weld metal has excellent strength at temperatures up to 1500°F and moderate strength up to 2000°F. The weld metal also has excellent oxidation resistance and good ductility. The RTW[™] filler metal finish on the spooled wire promotes smooth feeding through welding equipment and reduced tip wear in contact tips.

Specifications:

AMS 5794 UNS R30155

Composition:

Iron:	Remainder	Niobium:	0.75-1.25
Chromium:	22.50 max.	Silicon:	1.00 max.
Nickel:	20.00-22.50	Nitrogen:	0.10-0.20
Cobalt:	19.00-21.00	Carbon:	0.10 max.
Molybdenum:	18.50-21.00	Tantalum:	0.05 max.
Tungsten:	2.50-3.50	Phosphorus:	0.04 max.
Manganese:	2.00-3.00	Sulfur:	0.03 max.

Minimal Mechanical Properties:

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

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.*