



**Astrolite / Tricor Alloys
California Division**
201 Bernoulli Circle, Units B & C
Oxnard, CA 93030
Phone: 805-487-7131
Fax: 805-487-9694

**Tricor Metals
Ohio Division & Corp. H.Q.**
3225 W. Old Lincoln Way
Wooster, Ohio 44691
Phone: 330-264-3299
Fax: 330-264-1181

**Tricor Metals
Texas Division**
3517 North Loop 336 West
Conroe, Texas 77304
Phone: 936-273-2661
Fax: 936-273-2669

**Tricor Metals
Michigan Division**
44696 Helm St.
Plymouth, MI 48170
Phone: 734-454-3485
Fax: 734-454-7110

www.astrolite.com

www.tricormetals.com

Astrolite® Alloy N-155

Astrolite 5794

Product Description:

Astrolite® Alloy N-155 (also known as Multimet, Multimet N155) is used for the gas tungsten arc and gas metal arc welding of MULTIMET® alloy. N-155 has been used in a number of aircraft applications including tailpipes, tail cones, afterburner parts, exhaust manifolds, combustion chambers, turbine blades, and nozzles. It has also found use in heat-treating equipment. 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.

Astrolite® UltraGrade™ surface finish on the spooled wire promotes smooth feeding through welding equipment which may result in reduced tip wear in contact tips.

Astrolite® UltraGrade™ wire cleaning processes insure very clean™ wire surface for reliable welding performance.

Specifications:

AMS5794, UNS R30155, MSRR 9500/214, OMAT 3/166A.

Nominal Composition (% by weight) & Mechanical properties:

Iron	(Balance)
Chromium	20 – 22.5
Nickel	19 - 21
Cobalt	18.5 - 21
Molybdenum	2.5 – 3.5
Tungsten	2 - 3
Manganese	1 - 2
Niobium	0.75 – 1.25
Other interstitials	Not reported

Tensile (ksi)	120
Density (LBs/Cubic inch)	0.298

Need [pricing?](#)

Available Product Forms and Sizes, Packaging & Identification:

Straight Lengths	Spooled
AMS-2813 – Standard packaging AMS-2814 – Premium packaging <i>available upon request</i> Vapor barrier packaging <i>available upon request</i> . <i>1 LB and 5 LB bags available.</i>	Precision layer wound, with controlled cast and helix AMS-2813 – standard packaging AMS-2814 – Premium, vapor barrier packaging <i>available upon request</i> .
36" (914 mm) – Standard length. Other lengths <i>available on request</i> . Flag tagged on one end per AMS-2816. <i>Tagging of both ends available upon request.</i> Color coding to AMS-2819 or customer-specific specification is <i>available upon request</i> .	12" – Standard spool diameter <i>Other spool diameters; 4" & 8" diameter spools available on request.</i>
Diameters: 0.020", 0.025", 0.030", 0.035", 0.040", 0.045", 0.062", 0.078", 0.093", 0.125"	<i>Upon request special diameters and shapes may be available.</i>

DFARS Compliant

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