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Astrolite® 2319 Aluminum

Astrolite 4191

Product Description:

Astrolite® 2319 Aluminum (also known as 2319-Al, 2319) was developed as a filler alloy for 2219 Aluminum and is used in high strength structural and aircraft and truck body applications where superior resistance to stress corrosion cracking (SCC) and high elevated temperature properties are desired. 2319 Aluminum is heat treatable and provides higher strength and better ductility than the 4xxx filler alloys when welding 2xxx alloys.

Specifications:

AMS-4191, AWS A5.10 ER 2319, R 2319, UNS A92319, MSRR 9500/45, OMat 3/264

Nominal Composition (% by weight) & Mechanical properties:

Aluminum	Balance
Copper	5.8 – 6.8
Other interstitials	Unreported

Tensile (ksi)	70
Density (LBs/Cubic inch)	0.1

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 Special spool sizes may be available upon request
Diameters: 0.030", 0.035", 0.047", 0.062", 0.094"	<i>Upon request special diameters and shapes may be available.</i>

DFARS Compliant



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