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Astrolite® 1100 Aluminum

Astrolite 4180

Product Description:

Astrolite® 1100 Aluminum (also known as 1100-Al, 1100, Al99.0Cu) 1100 Aluminum is highly resistant to chemical attack and weathering. It is a relatively soft alloy that is very formable and is used extensively in thin gauge and foil products. It has good welding characteristics and it is also used as a filler alloy for welding purposes. It is used for welding base metals of similar composition. Easily welded. Anodizing gives a good bright finish. Gives a ductile joint. Used in food handling equipment and heat exchangers.

Specifications:

AMS-4180, AWS A5.10/A5.10M:1999 ER1100 R1100, UNS-A91100

Nominal Composition (% by weight) & Mechanical properties:

Aluminum	Balance
Silicon	0.95% Si +Fe max
Other interstitials	Unreported

Tensile (ksi)	13
Density (LBs/Cubic inch)	0.098

Available Product Forms and Sizes, Packaging &

Identification:

Straight Lengths	Spoiled
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 upon 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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