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Astrolite® 357 Aluminum

Astrolite 4246

Product Description:

Astrolite® 357 Aluminum (also known as 357, 357 & 4011 Al, R.357, AlSi7Mg0.6) is an Al-Si-Mg welding alloy for use on casting alloys of similar composition. It is Be-free. Used in compressor cases, airframe castings, fittings, and missile components.

Specifications:

AMS-4246, AWS A5.10 R-A 357.0, UNS-A03570

Nominal Composition (% by weight) & Mechanical properties:

Aluminum	Balance		
Silicon	6.5 - 7.5	Tensile (ksi)	52
Other interstitials	Unreported	Density (LBs/Cubic inch)	0.098

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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