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Astrolite® 4043 Aluminum

Astrolite 4190

Product Description:

Astrolite® 4043 Aluminum (also known as 4043-Al, 4043, AlSi5) is a general purpose type of filler metal, one of the oldest and most widely used welding and brazing alloys. The silicon addition results in improved fluidity (wetting action) to make the alloy a preferred choice by welders. 4043 Aluminum is less sensitive to weld cracking and produces brighter, almost smut free welds. 4043 Aluminum is often used in preference to 5356 aluminum alloy, where improved cosmetic appearance and extra ductility is required.

Specifications:

AMS-4190, AWS A5.10/A5.10M:1999 ER4043 R4043, UNS A94043, MSRR 9500/32, OMat 310, MSRR 8065

Nominal Composition (% by weight) & Mechanical properties:

Aluminum	Balance
Silicon	4.5 - 6
Other interstitials	Unreported

Tensile (ksi)	70
Density (LBs/Cubic inch)	0.097

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 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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