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Astrolite[®] Alloy C276 AWS A5.14 ERNiCrMo-4

Product Description:

Astrolite[®] Alloy C276 (also known as Hastelloy[®] C276, Nicrofer[®] 5716 hMoW, L330, GL6) is a nickel-chromium-molybdenum alloy for corrosion resistance applications. Alloy C276 offers excellent resistance to a range of chemicals including the corrosive effects of wet chlorine gas, hypochlorite, chlorine dioxide solutions, hot contaminated mineral acids, solvents, and solutions (organic and inorganic) contaminated by chlorine or chlorides, dry chlorine acetic or ferric acids, seawater and brine solutions. Also used for cladding and overlay.

Astrolite[®] Alloy C276 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:

AWS A5.14 ERNiCrMo-4, UNS N-10276

Nominal Composition (% by weight) & Mechanical properties:

Nickel	57 balance
Chromium	20
Cobalt	10
Molybdenum	8.5
Titanium	2.1
Aluminum	1.5
Iron	1.5 max
Other interstitials	Unreported

Tensile (ksi)	100
Density (LBs/Cubic inch)	0.321

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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