

AI-1894

Description and Applications

AI-1894 is pure zinc wire used to protect iron and steel against corrosion, but care should be taken as it has poor resistance to acids and is better suited to environments with a pH range of 6 to 12. It also has less resistance in soft or hard water with temperatures in excess of 60°C.

Applications: **AI-1894** is a comparatively cheap coating used in lieu of painting or plating on small parts that are prepared and sprayed in tumblers, and offers better protection.

Typical Weldmetal Analysis

Zn	Cu
99.99	0.001

Mechanical Properties of Weldmetal

	As Welded
Deposit Efficiency	70%
Melting Point	420°C approx..
Bond Strength	25.8 MPa (3,740 psi)
Coating Tensile Strength	89.7 MPa (13,000 psi)
Coating Texture	Variable *
Hardness	13-24 RH
Coating Density	6.36 gm/cm ³ (91%)
Shrink	0.001cm/cm

Finishing

Sprayed zinc coatings are generally used in the as-sprayed condition, but if preferred coatings may be machined with high-speed tools, polished, sanded or wire brushed.

Available Sizes

1.6mm, 2.0mm, 2.31, 3.17mm & 4.76mm diameter

Disclaimer

All figures in this datasheet should be considered indicative only. No guarantee is made as to their accuracy.

All figures subject to change without notice. Batch analysis is available for all products sold. Should you require any further information, please contact us at sales@alloysint.com.au



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