

AEROSPACE MATERIAL SPECIFICATION

Plating, Brush, Non-Cyanide Silver General Purpose

1. SCOPE:

1.1 Purpose:

This specification covers the engineering requirements and process for brush plating of non-cyanide silver by electrodeposition. It is used, in conjunction with AMS 2451, for silver deposits.

1.2 Application:

This process has been used typically to provide low electrical contact resistance, prevent galling or seizing of surfaces of parts, and corrosion protection, but usage is not limited to such applications.

1.3 Safety - Hazardous Materials:

See AMS 2451.

2. APPLICABLE DOCUMENTS:

See AMS 2451.

3. TECHNICAL REQUIREMENTS:

The requirements of AMS 2451 shall apply as herein amended.

3.1 Procedure:

3.1.1 Silver shall be electrodeposited from a non-cyanide silver brush plating solution in accordance with processing instructions from the solution manufacturer.

3.1.2 A preliminary strike or bonding layer of nickel and copper, palladium or gold may be used.

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