ASTM F 519
Standard Test Method for Mechanical Hydrogen Embrittlement Evaluation of Plating Processes and Service Environments

Specimens: Type 1c, low-embrittling cadmium plated in accordance with MIL-STD-870
Load: 45 % of notched bend fracture load.
Exposure: Stressed specimens were completely immersed in the test chemical for 150 hours, or until failure (maximum 150 hrs).
Temperature: Room temperature
Dilution: As received

A passive chemical shall be considered non-embrittling if none of the immersed specimens fail within 150 hours after immersion into the chemical at the loads specified in table A5.1. Record the time to failure if less than 150 hours.

Results: Specimen #1: No failures occurred within 150 hours. Specimen #2: No failures occurred within 150 hours. Specimen #3: No failures occurred within 150 hours. Specimen #4: No failures occurred within 150 hours.

Result Conforms

Respectfully submitted,

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