



ASTM B-578

Standard Practice for Qualitative Adhesion Testing of Metallic Coatings

This test method covers the determination of the hardness of metallic coatings upon various substrates. The measurements are made with the Knoop indenter under a test load of 0.245 N (25 gf) or 0.981 N (100 gf). The test method will be performed in accordance with Test Method E-384, Section A.

Specific Thickness Requirements

- 38 μm for gold, copper and silver
- 25 μm for nickel, cobalt, iron and hard gold

Test coupons may be used when the production parts have insufficient electroplating thickness for measurement. The values obtained may not reflect the “true” hardness of the thin coatings on production parts. However, the values may be useful when correlated with other coating properties such as wear resistance. The test may serve as a useful tool for electroplating bath control, particularly in the case of coatings such as gold.

If you have any questions concerning this particular ASTM method, please feel free to give our office a call at (800) 334-5432 or email us your inquiry at info@nhml.com.

(B578, B-578, B 578)

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