



ASTM E 345

Standard Test Methods of Tension Testing of Metallic Foil

These test methods cover the tension testing of metallic foil at room temperature in thickness less than 0.006 in. (0.150mm). Tension tests provide information on the strength and ductility of materials under uniaxial tensile stresses. This information may be useful in comparisons of materials, alloy development, quality control and design.

The results of tension tests from selected portions of a part or material may not totally represent the strength and ductility of the entire end product of its in-service behavior in different environments.

These test methods are considered satisfactory for acceptance testing of commercial shipments, since the methods have been used extensively for these purposes.

Tension tests provide a means to determine the ductility of materials through the measurement of elongation or reduction of area. However, as specimen thickness is reduced, tension tests may become less useful for determining ductility. For these purposes Test Method E796 is an alternative procedure for measuring ductility.

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.

(E345, E-345, E 345)

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