

APPLIED STANDARDS AT AE

Tests



Norm	Description	Application
DIN EN IEC 60068-2-20 ASTM B678 MIL-STD 202	Test methods for solderability of devices with leads	Test solderability Description Pretreatment (early aging)
DIN ISO 7801	Reverse bend test	Bending capacity, deformability
DIN EN ISO 2819	Metallic coatings on metallic substrates Methods available for testing adhesion	Adhesion strength (bending test, winding test)
DIN EN ISO 1463	Metal and oxide coatings - Measurement of coating thickness - Microscopical method	Coating thickness measurement (cross section)
DIN EN ISO 2177	Metallic coatings - Measurement of coating thickness - Coulometric method by anodic dissolution	Coating thickness measurement (coulometric detachment of the layer)
DIN EN ISO 3497	Metallic coatings - Measurement of coating thickness - X-ray spectrometric methods	Coating thickness measurement (XRAY)
DIN EN ISO 6892-1	Metallic materials - tensile testing	Tensile test, determination of tensile strength

Plating Materials

Norm	Bezeichnung	Anwendung
DIN EN 10244-1	Steel wire and wire products - Non-ferrous metal coatings on steel wire - Part 1	general requirements
DIN EN 10244-4	Steel wire and wire products - Non-ferrous metal coatings on steel wire - Part 4	tin plating
DIN EN 10244-5	Steel wire and wire products - Non-ferrous metal coatings on steel wire - Part 5	Nickel plating
DIN 50965	Electroplating - Tin coatings on iron and copper materials	general requirements
DIN EN ISO 1456	Metallic and other inorganic coatings -. Electroplated coatings of nickel, nickel plus chromium, copper plus nickel plus chromium	general requirements
ASTM B33 ASTM B545	Electrodeposited coatings of tin	general requirements
ASTM B579	Electrodeposited coatings of tin/lead	general requirements
ASTM B355 ASTM B689	Electrodeposited coatings of nickel	general requirements
ASTM B734	Electrodeposited coatings of copper	general requirements
ASTM B298 ASTM B700	Electrodeposited coatings of silver	general requirements
ASTM B488	Electrodeposited coatings of gold	general requirements

Norm	Bezeichnung	Anwendung
DIN 17743	Wrought nickel alloys - composition	Composition (nickel alloys)
DIN EN 12166	Copper and copper alloys - wires for general use	Composition (various copper alloys) Mechanical requirements
DIN EN 13602	Copper and copper alloys - drawn round copper wire for the production of electrical conductors	Composition (Cu-ETP1, Cu-OF1) Mechanical requirements
DIN EN ISO 16120-2	Non-alloy steel wire rod for conversion to wire	Composition (steel grades)
ASTM B452	Copper-Clad-Steel wires	general requirements