

ISO 1456:2009-08 (E)

Metallic and other inorganic coatings - Electrodeposited coatings of nickel, nickel plus chromium, copper plus nickel and of copper plus nickel plus chromium

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	2
4	Information to be supplied by the purchaser to the processor	3
4.1	Essential information	3
4.2	Additional information	3
5	Designation	4
5.1	General	4
5.2	Designation specifications	4
5.3	Service-condition number	5
5.4	Type of copper coating	13
5.5	Types of nickel coating	13
5.6	Types and thicknesses of chromium	14
6	Requirements	14
6.1	Appearance	14
6.2	Coating thickness	15
6.3	Double- and triple-layer nickel coatings	15
6.4	Adhesion	15
6.5	Corrosion resistance in CASS, Corrodokote and salt spray tests	15
6.6	STEP test requirements	15
6.7	Ductility	16
6.8	Stress-relief heat treatments before coating	16
6.9	Hydrogen-embrittlement-relief treatment	16
6.10	Sampling	16
Annex A (informative) Determination of cracks and pores in chromium coatings		17
Annex B (normative) Methods of test for the determination of thickness		20
Annex C (normative) Ductility test		22
Annex D (normative) Determination of the sulfur content of electrodeposited nickel		23
Annex E (informative) Step test method		24
Bibliography		25