ISO 16253:2017-11 (E)

Watch-cases and accessories - Vapour phase deposited coatings

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Requirements 2
4.1 Coating 2
4.1.1 Appearance of coating 2
4.1.2 Thickness of coating 2
4.1.3 Adhesion of coating 2
4.1.4 Corrosion resistance of coating 2
4.1.5 Hardness of coating 2
4.1.6 Wear resistance of coating 2
4.1.7 Nickel release 3
4.1.8 Colour of coating 3
4.2 Base material, processes and coatings 3
4.3 Underlayer 3

5 Test methods 3
5.1 Test samples 3
5.2 Visual inspection 3
5.3 Thickness measurement 3
5.4 Adhesion test 3
5.5 Corrosion resistance test 3
5.6 Hardness test 4
5.7 Wear resistance tests 4
5.7.1 Wear resistance test in relation with the decorative aspect of the coating 4
5.7.2 Tests for the simulation of wear and corrosion 4
5.8 Measurement of colour 4

6 Identificationandmarkingontheproduct 4
6.1 Identification 4
6.2 Marking on the product 5

Annex A (normative) Visual inspection of vapour phase deposited coatings 6

Annex B (informative) Base material, process and coatings 7

Annex C (normative) Evaluation of adhesion strength using the scratch test 8

Bibliography 10