ISO 9364:2017-11 (E)

Steel sheet, 55 % aluminium-zinc alloy-coated by the continuous hot-dip process, of commercial, drawing and structural qualities

Contents

Page

Foreword v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Dimensions 2

5 Conditions of manufacture 3
5.1 Steelmaking 3
5.2 Chemical composition 3
5.3 Chemical analysis 3
5.3.1 Heat analysis 3
5.3.2 Product analysis 3
5.4 Mechanical properties 4
5.4.1 Commercial and drawing quality 4
5.4.2 Structural quality 5
5.5 Coating 6
5.5.1 Coating mass 6
5.5.2 Coating adherence 7
5.6 Weldability 7
5.7 Painting 7
5.8 Coating finish condition 7
5.9 Surface treatment 8
5.9.1 Mill passivation 8
5.9.2 Oiling 8
5.10 Coated coil joining 8
5.11 Dimensional and shape tolerances 8

6 Sampling 8
6.1 Tensile test 8
6.2 Coating tests 8
6.2.1 Coating mass 8
6.2.2 Triple-spot test 8
6.2.3 Single-spot test 9
6.2.4 Coating adherence 9

7 Test methods 9
7.1 Tensile test 9
7.2 Coating properties 9
7.2.1 Coating mass 9
7.2.2 Coating adherence 9

8 Designation system 9
8.1 General 9
8.2 Coating designation 9
8.3 Coating mass 10
8.4 Coating finish condition 10
8.5 Surface treatment 10

8.6 Base-metal quality 10
8.7 Examples 10

9 Retests 11
9.1 Machining and flaws 11
9.2 Elongation 11
9.3 Additional tests 11

10 Resubmission 11

11 Workmanship 12

12 Inspection and acceptance 12

13 Coil size 12

14 Marking 12

15 Information to be supplied by the purchaser 13

Annex A (normative) Orders requiring base-metal thickness 14

Bibliography 15