ISO 15211:2022-02 (E)

Steel sheet, twin-roll cast, zinc-coated by the continuous hot-dip process, of structural quality and high strength

Contents

Page

Foreword ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Dimensions **2**

5 Conditions of manufacture **2**
5.1 Steelmaking 2
5.2 Chemical composition 2
5.3 Chemical analysis 3
5.3.1 Heat analysis 3
5.3.2 Product analysis 3
5.4 Mechanical properties 4
5.5 Coating 6
5.5.1 Coating mass 6
5.5.2 Coating adherence 7
5.6 Weldability 8
5.7 Painting 8
5.8 Surface treatment 8
5.8.1 Mill passivation 8
5.8.2 Mill phosphating 8
5.8.3 Oiling 8
5.9 Coated coil joining 9
5.10 Dimensional and shape tolerances 9

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

7 Test methods **10**
7.1 Tensile test 10
7.2 Coating properties 10
7.2.1 Coating mass 10
7.2.2 Coating adherence 10

8 Designation system **10**
8.1 General 10
8.2 Coating type 10
8.3 Coating mass 10
8.4 Coating finish condition 11
8.5 Surface treatment 11
8.6 Base-metal grade 11
8.7 Examples 11

9 Retests **12**
9.1 Machining and flaws 12
9.2 Elongation 12
9.3 Additional tests 12

10 Resubmission **12**
11 Workmanship **12**
12 Inspection and acceptance **12**
13 Coil Size **13**
14 Marking **13**
15 Information supplied by the purchaser **13**
Annex A (normative) **Orders requiring base-metal thickness** **15**
Bibliography **16**