DIN SPEC 91529:2026-05 (E)

Aluminium and aluminium alloys - Cut and milled plates and ingots made from rectangular ingots/slabs produced by continuous casting without forming

Contents

Page

Foreword 4

Introduction 5

1 Scope 6

2 Normative references 6

3 Terms and definitions 6

4 Ordering information 7

5 Requirements 8
5.1 Responsibilities of the supplier and manufacturer 8
5.2 Requirements on product properties 8
5.2.1 Chemical composition 8
5.2.2 Mechanical properties 8
5.3 Freedom from defects 8

6 Test method 9
6.1 General 9
6.2 Chemical analysis 9
6.3 Tensile test 9
6.3.1 General 9
6.3.2 Number of test pieces 9
6.3.3 Position and size of the test pieces 9
6.3.4 Identification 10
6.3.5 Shape, dimensions and orientation of the test pieces 10
6.3.6 Machining 10
6.3.7 Number of samples 10
6.3.8 Method 10
6.4 Hardness testing 10
6.5 Dimensions 10
6.6 Surface finish 10
6.7 Other tests 11
6.8 Retesting 11
6.8.1 Mechanical properties 11
6.8.2 Other properties 11

7 Marking of products 11

8 Packaging and specifications 11

9 Complaints regarding defects (arbitration proceedings) 11

10 Inspection documents 11

Annex A (normative) Mechanical properties 12

Annex B (normative) Tolerances 13

Bibliography **15**

Tables Table A.1 -- Strength properties **12**

Table B.1 -- Form tolerances for rough-sawn plates (EN AW-5754, EN AW-5083, EN AW-7021) **13**

Table B.2 -- Form tolerances for milled plates (EN AW-5754, EN AW-5083, EN AW-7021) **13**

Table B.3 -- Flatness tolerances, roughness EN AW-5754 and EN AW-5083 ..... **13**

Table B.4 -- Flatness tolerances, roughness EN AW-7021 ..... **14**