ISO 6362-1:2022-07 (E)

Wrought aluminium and aluminium alloys - Extruded rods/bars, tubes and profiles - Part 1: Technical conditions for inspection and delivery

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 2

4 Orders or tenders 4

5 Requirements 4
5.1 Production and manufacturing processes 4
5.2 Quality control 4
5.3 Chemical composition 4
5.4 Mechanical properties 5
5.5 Surface finish 5
5.6 Dimensional tolerances 5
5.7 Stress corrosion cracking resistance 5

6 Test procedure 5
6.1 Production of specimens 5
6.1.1 Specimens for chemical analysis 5
6.1.2 Specimens for mechanical testing 5
6.1.3 Test pieces for tensile test 6
6.1.4 Test pieces for bend test 7
6.2 Test methods 7
6.2.1 Chemical composition 7
6.2.2 Tensile test 7
6.2.3 Measurement of dimensions 7
6.2.4 Surface finish 7
6.2.5 Bend test 7
6.2.6 Resistance to stress corrosion cracking 8
6.2.7 Additional tests 8
6.3 Retests 8
6.3.1 Mechanical properties 8
6.3.2 Other properties 8

7 Inspection documents 8

8 Marking 9

9 Packing 9

10 Arbitration 9

Annex A (normative) Location of test pieces 10

Annex B (normative) Resistance to stress-corrosion cracking for alloy 7075 in tempers T73, T73510 and T73511 -- Electrical conductivity 14