DIN EN 15681-1:2016-06 (E)

Glass in building - Basic alumino silicate glass products - Part 1: Definitions and general physical and mechanical properties

Contents

Page

European foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Chemical composition 6
4.1 General 6
4.2 Tint 6

5 Physical and mechanical characteristics 6
5.1 General characteristics 6
5.2 Characteristic bending strength 7
5.3 Designation of clear alumino silicate glass 7
5.3.1 General 7
5.3.2 Clear transparent alumino silicate glass 8
5.3.3 Clear translucent alumino silicate glass 8
5.4 Stability of physical and chemical characteristics 9

6 Dimensional requirements 9
6.1 Manufacturing dimensions 9
6.1.1 Stock sizes 9
6.1.2 Supplied and final cut sizes 9
6.2 Thickness and thickness tolerances 9
6.3 Length, width and squareness 10

7 Quality requirements 10
7.1 General 10
7.2 Methods of observation and measurement 11
7.2.1 Optical faults 11
7.2.2 Visual faults (spot faults, linear/extended faults), all types of basic alumino silicate glass 12
7.3 Acceptance levels 13
7.3.1 Optical faults 13
7.3.2 Visual faults (spot faults, linear/extended faults), all types of basic alumino silicate glass 13
7.4 Edge defects for final cut sizes 14
7.4.1 Entrant and emergent faults 14
7.4.2 Bevel 14
7.4.3 Limitations on edge defects 14

8 Designation 15

Annex A (informative) Complementary information related to REACH 16

Bibliography 17