DIN EN 16261-2:2013-03 (E)

Pyrotechnic articles - Fireworks, Category 4 - Part 2: Requirements

Contents

Page

Foreword 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 5

4 Pyrotechnic composition 6

5 Construction (type test and batch test) 6

6 Means of ignition 6
6.1 Identification (type test and batch test) 6
6.2 Protection (type test and batch test) 6

7 Performance 6
7.1 Properties to be checked before functioning tests 6
7.1.1 Loose pyrotechnic composition after mechanical conditioning (type test) 6
7.1.2 Integrity (type test and batch test) 7
7.2 Properties to be checked during functioning tests 7
7.2.3 Stability during functioning (type test and batch test) 7
7.2.4 Performance parameters (type test and batch test) 7
7.2.5 Sound pressure level (type test and batch test) 8
7.3 Requirements for components (type test and batch test) 8

8 Protective pack (type test and batch test) 8

9 Type testing 9
9.1 General 9
9.2 Number of items to be tested 9
9.3 Fireworks supplied in protective packs 9
9.4 Test report 10

10 Batch testing 10
10.1 General 10
10.2 Sampling plans 10
10.2.1 General sampling plans 10
10.2.2 Sample size for small batches (destructive tests) 10
10.3 Fireworks in protective packs 10
10.4 Nonconformities 10
10.4.1 Construction and performances 10
10.4.2 Labelling 12
10.5 Test report 12
10.6 Acceptance or rejection of a batch 12
10.6.1 Nonconforming units 12
10.6.2 Critical nonconforming units 13
10.6.3 Major nonconforming units 13
10.6.4 Minor nonconforming units 13

Annex A (normative) Mandatory performance parameters 14

Annex B (normative) List of nonconformities for Category 4 fireworks regarding safety in functioning 17

Annex C (informative) Overview of essential safety requirements and corresponding clauses of all parts of this European Standard 19

Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2007/23/EC on the placing on the market of pyrotechnic articles 20