DIN EN 1021-2:2014-10 (E)

Furniture - Assessment of the ignitability of upholstered furniture - Part 2: Ignition source match flame equivalent

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Terms and definitions 6

3 Criteria of ignition 6
3.1 Progressive smouldering ignition 6
3.2 Flaming ignition 7

4 Principle 7

5 Health and safety of operators 7
5.1 General 7
5.2 Enclosure 7
5.3 Extinguishers 7

6 Apparatus 8
6.1 Test rig 8
6.2 Test enclosure 11
6.3 Clock 11
6.4 Ignition source: gas flame ignition source 1, match-flame equivalent 11
6.5 Gas flow control 11

7 Preparation and conditioning 12
7.1 Preparation 12
7.2 Conditioning 12
7.3 Atmosphere for testing 12

8 Test assembly 12
8.1 General 12
8.2 Cover materials 12
8.3 Upholstery filling 13

9 Ignition source application 13
9.1 Preparation 13
9.1.1 General 13
9.2 Ignition source application 16
9.3 Final examination 16

10 Test report 16

Annex A (informative) Guidance notes for designers and specifiers 18

Annex B (informative) Model test report form 20

Annex C (informative) Cleaning of a rig 21

Annex D (normative) Water soaking procedure 22

D.1 Reagents 22
D.2 Apparatus 22
D.3 Specimens 22
D.4 Procedure 23