ISO/TR 13086-2:2017-12 (E)

Gas cylinders - Guidance for design of composite cylinders - Part 2: Bonfire test issues

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Background 1

5 Statement of safety 2

6 Components of fire testing 2
6.1 Composite materials 2
6.2 Fire 3
6.2.1 General 3
6.2.2 Fire tests in standards 5
6.2.3 Standardized fire test 7
6.2.4 Considerations for future standardized fire tests 8
6.3 Pressure relief devices 9
6.4 Venting 11
6.5 Interaction 12
6.6 Availability of reports 16
6.7 Optimized test method using thermally activated pressure relief devices 17
6.7.1 Explanation of optimized test method 17
6.7.2 Procedures for optimized test method 20

7 Summary 23

Annex A (informative) Comparison of fire tests in standards and reports 24

Annex B (informative) Standardized test requirements using thermally active pressure relief devices 28

Bibliography 33