ISO 5660-1:2002-12 (E)

Reaction-to-fire tests - Heat release, smoke production and mass loss rate - Part 1: Heat release rate (con e calorimeter method)

Contents

Page

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols 2

5 Principle 3

6 Apparatus 3

7 Suitability of a product for testing 6

8 Specimen construction and preparation 7

9 Test environment 9

10 Calibration 9

11 Test procedure 12

12 Calculations 14

13 Test report 16

Annexes A Commentary and guidance notes for operators 24

B Resolution, precision and bias 26

C Mass loss rate and effective heat of combustion 31

D Testing in the vertical orientation 32

E Calibration of the working heat flux meter 35

F Calculation of heat release with additional gas analysis 36

Bibliography 39