

DIN EN 17077:2018-07 (E)

Determination of burning behaviour of dust layers

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Principle of the test method	6
5	Test equipment	6
5.1	General	6
5.2	Test apparatus	6
5.2.1	Board method	6
5.2.2	Lütolf apparatus	7
5.3	Ignition source	8
6	Characterization of dust sample	8
7	Test procedure	9
7.1	General	9
7.2	Sample preparation	9
7.2.1	Board method	9
7.2.2	Lütolf apparatus method	9
7.3	Ignition procedure	9
7.4	Evaluation	9
7.5	Additional tests for melting substances	11
8	Safety precautions / instructions	11
9	Test report	12
Annex A (informative) Tests at elevated initial temperatures		14
A.1	Additional equipment	14
A.2	Additional information in the test-report	14
Annex B (informative) Alternative test apparatus		15
B.1	Principles	15
B.2	Evaluation of results	16
Annex C (informative) Example materials demonstrating behaviour typical of each of the burning classes		17
Annex ZA (informative) Relationship between this European Standard and the essential requirements of Directive 2014/34/EU aimed to be covered		18
Bibliography		19