

Classons ISO/R3 (TC 61)

# ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

## ISO RECOMMENDATION R 181

PLASTICS

DETERMINATION OF INCANDESCENCE RESISTANCE  
OF RIGID SELF-EXTINGUISHING THERMOSETTING  
PLASTICS

1st EDITION

February 1961

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## BRIEF HISTORY

The ISO Recommendation R 181, *Determination of Incandescence Resistance of Rigid Self-Extinguishing Thermosetting Plastics*, was drawn up by Technical Committee ISO/TC 61, *Plastics*, the Secretariat of which is held by the American Standards Association, Incorporated (ASA).

Work on this matter which the Technical Committee had begun since 1954, came to an end in 1957, with the adoption of a proposal as a Draft ISO Recommendation.

On 8 May 1959, the Draft ISO Recommendation (No. 215) was distributed to all the ISO Member Bodies and was approved, by the following Member Bodies:

Austria	India	Sweden
Belgium	Israel	Switzerland
Burma	Italy	Turkey
Czechoslovakia	Japan	United Kingdom
Finland	Netherlands	U.S.A.
Germany	Portugal	U.S.S.R.
Greece	Romania	
Hungary	Spain	

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in February 1961, to accept it as an ISO RECOMMENDATION.

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**PLASTICS****DETERMINATION OF INCANDESCENCE RESISTANCE  
OF RIGID SELF-EXTINGUISHING THERMOSETTING  
PLASTICS****1. SCOPE**

This method of test evaluates the incandescence resistance (*IR*) of rigid self-extinguishing thermosetting plastics, when brought into contact with a surface at incandescence (bright-red heat).

**2. APPARATUS**

The apparatus consists of the following:

- 2.1 Test chamber.** A room or enclosure, protected from air currents, but provided with means of venting the fumes of burning specimens. A hood may be used, if its exhaust fan is turned off during the test and allowed to run only periodically to clear the fumes between tests.

Dimensions in millimetres.

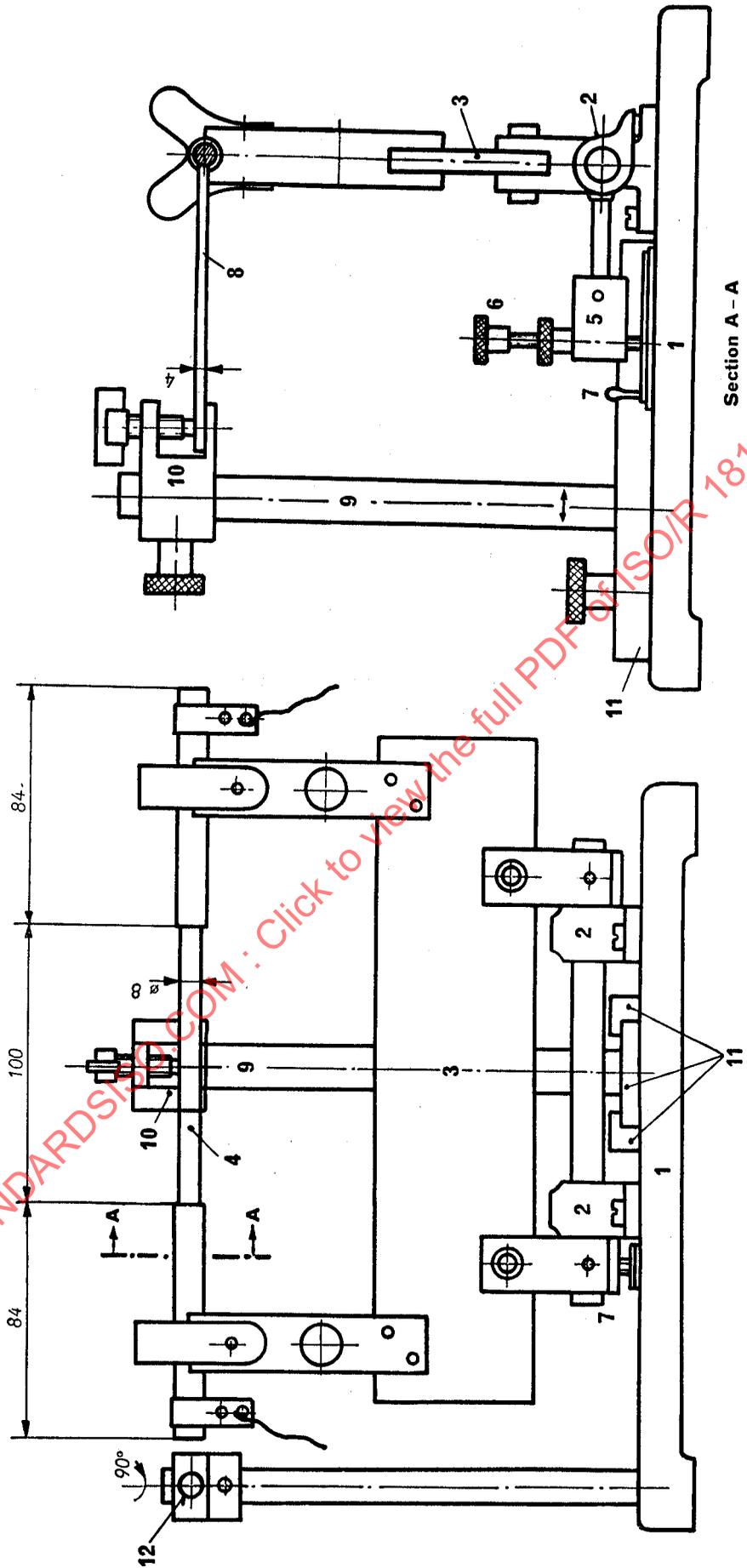


FIGURE 1. Test apparatus for incandescence resistance.