
INTERNATIONAL STANDARD



1868

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**Carbon black for use in the rubber industry – Specification
limits for loss on heating**

Noir de carbone pour l'industrie des élastomères – Spécifications pour la perte à la chaleur

First edition – 1975-03-01

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 45 has reviewed ISO Recommendation R 1868 and found it technically suitable for transformation. International Standard ISO 1868 therefore replaces ISO Recommendation R 1868-1970 to which it is technically identical.

ISO Recommendation R 1868 was approved by the Member Bodies of the following countries :

Australia	India	South Africa, Rep. of
Austria	Iran	Spain
Brazil	Israel	Sweden
Canada	Japan	Switzerland
Czechoslovakia	Netherlands	Thailand
Egypt, Arab Rep. of	New Zealand	Turkey
France	Peru	United Kingdom
Germany	Poland	U.S.A.
Greece	Portugal	U.S.S.R.
Hungary	Romania	

No Member Body expressed disapproval of the Recommendation.

No Member Body disapproved the transformation of ISO/R 1868 into an International Standard.

Carbon black for use in the rubber industry – Specification limits for loss on heating

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the maximum limits for loss on heating at 105 °C of carbon black for use in the rubber industry, shipped in bags or in bulk.

2 REFERENCES

ISO/R 1124, *Sampling bulk shipments of carbon black for use in the rubber industry.*

ISO 1126, *Carbon black for use in the rubber industry – Determination of loss on heating.*

ISO 1310, *Carbon black for use in the rubber industry – Sampling packaged shipments.*

3 SPECIFICATION LIMITS

The maximum permitted loss on heating of carbon black for use in the rubber industry, shipped in bags or in bulk, is as follows :

Type ¹⁾ of carbon black	Maximum heating loss of carbon black, %	
	shipped in bags	shipped in bulk
SAF	3,0	1,0
ISAF-HS, ISAF-HM, ISAF-LM, ISAF-LS	2,5	1,0
N285	2,5	1,0
CF, SCF, ECF	2,5	1,0
EPC, MPC	3,0	1,0
SPF, HAF-HS, HAF, HAF-LS, HAF-LS-SC	2,5	1,0
FF	2,0	1,0
FEF-HS, FEF, FEF-LS, APF	1,5	1,0
GPF, HMF, SRF-HS (MPF), SRF-HM, SRF-LM	1,0	1,0
FT, MT	1,0	1,0

4 SAMPLING

Samples shall be taken immediately after delivery to the purchaser; any further increase in moisture is not the responsibility of the supplier.

Sampling shall be carried out in accordance with either ISO/R 1124 or ISO 1310.

5 TEST PROCEDURE

Test procedure shall be in accordance with ISO 1126.

1) This temporary nomenclature will be replaced ultimately by the ISO nomenclature, at present under study.