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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION
R 1868**

CARBON BLACK FOR USE IN THE RUBBER INDUSTRY

SPECIFICATION LIMITS FOR LOSS ON HEATING

1st EDITION

November 1970

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Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 1868, *Carbon black for use in the rubber industry – Specification limits for loss on heating*, was drawn up by Technical Committee ISO/TC 45, *Rubber*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of Draft ISO Recommendation No. 1868, which was circulated to all the ISO Member Bodies for enquiry in June 1969. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

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

No Member Body opposed the approval of the Draft.

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

CARBON BLACK FOR USE IN THE RUBBER INDUSTRY

SPECIFICATION LIMITS FOR LOSS ON HEATING

1. SCOPE

This ISO Recommendation 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. 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* 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

3. SAMPLING

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

Sampling should be carried out in accordance with one of the following ISO Recommendations :

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

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

4. TEST PROCEDURE

Test procedure should be in accordance with ISO Recommendation R 1126, *Determination of loss on heating of carbon black for use in the rubber industry*.

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