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INTERNATIONAL STANDARD 1124

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Carbon black for use in the rubber industry delivered in bulk or in bins — Sampling

Noir de carbone livré en vrac ou en récipients pour l'industrie du caoutchouc — Échantillonnage

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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 in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 45, *Rubber and rubber products,* has reviewed ISO Recommendation R 1124-1969 and found it technically suitable for transformation. International Standard ISO 1124 therefore replaces ISO Recommendation R 1124-1969 (incorporating amendments approved in 1971), to which it is technically identical.

ISO Recommendation R 1124 had been approved by the member bodies of the following countries :

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

No member body had expressed disapproval of the Recommendation.

The member body of the following country disapproved the transformation of the Recommendation into an International Standard :

Germany

Printed in Switzerland

Carbon black for use in the rubber industry delivered in bulk or in bins — Sampling

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies a procedure for the sampling of carbon black for use in the rubber industry, delivered in bulk (hopper rail cars, bulk road trailers) or in bins. This method is for use in obtaining conventionally representative samples of the carbon black in each compartment or in the entire vehicle or bin. These samples may be used to determine the average quality or to ascertain the variability in quality.

2 SAMPLING PROCEDURE

2.1 Bulk containers

Each compartment of the bulk container is fitted with two laterally opposed sampling ports.

After first withdrawing and discarding from each port at least 5 l of carbon black, take from each of these ports a sample of about 5 l.

The samples thus obtained may be stored individually or composited, as agreed between the purchaser and the supplier.

2.2 Bins

From bins take the sample from the loading opening using a scoop designed to cause only minimum pellet breakdown.

The samples thus obtained may be stored individually or composited, as agreed between the purchaser and the supplier.

3 TREATMENT AND STORAGE OF SAMPLES

3.1 Store the samples in airtight containers until the tests are completed.

3.2 Handle with care the samples collected for the determination of pellet quality to avoid breakdown of the pellets.

3.3 Pass each sample through a single-stage riffle-type sample splitter at least twice in order to prevent stratification. This is particularly important for tests of pellet quality.

4 SAMPLING REPORT

The sampling report shall include the following particulars :

a) identification of the sample;

b) number and location of the sample ports sampled.