International

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Rubber products — Guidelines for storage

Produits à base d'élastomères — Lignes directrices pour le stockage

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This document was prepared by Technical Committee ISO/TC 45, *Rubber and rubber products*, Subcommittee SC 4, *Products (other than hoses)*.

This third edition cancels and replaces the second edition (ISO 2230:2002), which has been technically revised.

The main changes are as follows:

— addition of new polymers to Tables 1, 2 and 3 in Clause 4;

— revision of the classification of some polymers (Clause 4);

— revision of the temperature range for storage conditions (6.2).

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Many rubber products and components are stored for long periods before being put into service, and thus it is important they are stored in conditions that minimize the unwanted changes in properties. Such changes can result from degradation, in which case they can potentially include excessive hardening, softening, cracking, crazing and other surface effects. Other changes can be caused by deformation, contamination or mechanical damage.

The requirements of different users and the multiplicity of rubber types and products are factors of major consideration in this document. It is recognized that some rubbers are more susceptible than others to deterioration by such factors as heat, light, ozone, oxygen and humidity. Exposure to these factors should therefore be minimized in order to extend storage life. To do so, there must be a system of storage control, proper packaging and periodic inspection.

A system of recording, for the proper maintenance of storage and inspection data, is included in order to assist in verifying that the provisions of this document are maintained in association with common elements associated with product specifications and their verification through conducting of statistically significant methods of test. Refer to ISO 9000, ISO 9001 and ISO 9004 to supplement the information contained in this document.

In this document, only the causes of generation of deleterious influences such as ozone and radiation are mentioned as being prohibited. Methods for measuring concentrations or intensities of these are not within the scope of this standard.

Recommendations are included in Annex A for the inspection and testing of specific products.