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Second edition
2013-03-01

Plastics — Thermoplastic polyester/ ester and polyether/ester elastomers for moulding and extrusion —

Part 2: Preparation of test specimens and determination of properties

*Plastiques — Élastomères thermoplastiques à base de polyester/ester
et polyéther/ester, pour moulage et extrusion —*

Partie 2: Préparation des éprouvettes et détermination des propriétés



Reference number
ISO 14910-2:2013(E)

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Published in Switzerland

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 14910-2 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This second edition cancels and replaces the first edition (ISO 14910-2:1997), which has been technically revised.

ISO 14910 consists of the following parts, under the general title *Plastics — Thermoplastic polyester/ester and polyether/ester elastomers for moulding and extrusion*:

- *Part 1: Designation system and basis for specification*
- *Part 2: Preparation of test specimens and determination of properties*

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Introduction

The structure of thermoplastic-elastomer material standards is based on the following considerations.

For each type of thermoplastic elastomer, reference is made to the relevant material standard.

Thermoplastic-elastomer materials are classified into three classes according to the primary elastomeric property, hardness, as shown in [Figure 1](#) below. This classification on the basis of hardness reflects the special position of thermoplastic elastomers between rubber materials on the one hand and plastics on the other.

Each class is subdivided into standard properties and special properties. The classes have many standard properties and many special properties in common. Furthermore, a standard property in one class can be a special property in another class and *vice versa*.

Special properties are those properties which are in wide use or of particular significance in the practical characterization of a specific material.

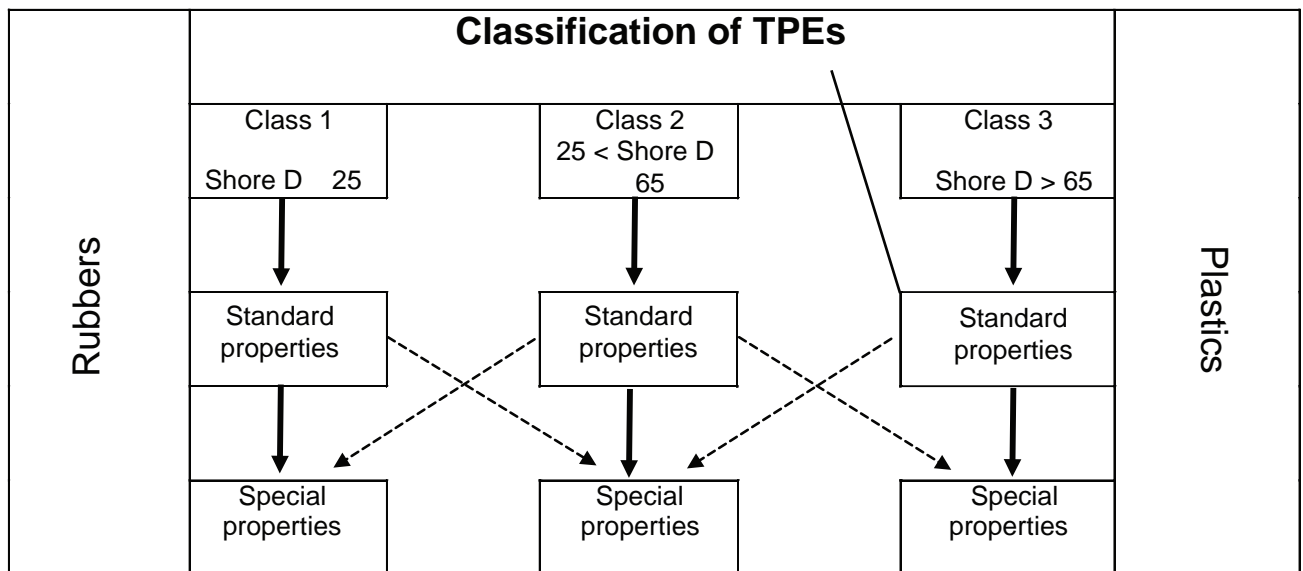


Figure 1 — Classification of thermoplastic elastomers on the basis of their hardness