INTERNATIONAL STANDARD

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Plastics — Mixtures of polypropylene (PP) and polyethylene (PE) recyclate derived from PP and PE used for flexible and rigid consumer packaging —

Part 1: Designation system and basis for specification

Plastiques — Recyclat mixte de polypropylène (PP) et polyéthylène (PE) —

Partie 1: Système de désignation et base de spécification

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Designation system **2**

3.1 General 2

3.2 Data block 1 2

3.3 Data block 2 3

3.4 Data block 3 3

3.5 Data block 4 3

3.5.1 General 3

3.5.2 Melt mass-flow rate 3

3.5.3 Density 4

3.6 Data block 5 4

4 Examples of designations **4**

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Foreword

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastics*.

ISO 18263 consists of the following parts, under the general title *Plastics — Mixtures of polypropylene (PP) and polyethylene (PE) recyclate derived from PP and PE used for flexible and rigid consumer packaging*:

— *Part 1: Designation system and basis for specification*

— *Part 2: Preparation of test specimens and determination of properties*

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Plastics — Mixtures of polypropylene (PP) and polyethylene (PE) recyclate derived from PP and PE used for flexible and rigid consumer packaging —

Part 1: Designation system and basis for specification

1 Scope

This part of ISO 18263 establishes a system which can be used as the basis for specifications for mixtures of polypropylene (PP) and polyethylene (PE) recyclate.

It covers mixtures of polypropylene (PP) and polyethylene (PE) recyclate derived from PP and PE used for flexible and rigid consumer packaging for moulding and extrusion. Recyclate from packaging used for the transport, handling, or storage of hazardous goods shall not be used.

It does not apply to mixtures of recyclates and virgin resin.

It does not apply to the mixtures containing special type of PE or PP, for example, PE-UHMW, TPO, etc.

The types of mixtures of PP and PE recyclate are differentiated from each other by a classification system based on appropriate levels of the designatory properties.

a) Composition

b) Melt mass-flow rate

c) Density

d) Colour

It is not intended to imply that materials having the same designation give necessarily the same performance. This part of ISO 18263 does not provide engineering data, performance data, or data on processing conditions which may be required to specify a material for a particular application and/or method of processing. If additional properties are required, they shall be determined in accordance with the test methods specified in ISO 18263-2, if applicable.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1133-1, *Plastics — Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics — Part 1: Standard method*

ISO 1183 (all parts), *Plastics — Methods for determining the density of non-cellular plastics*

ISO 18263-2, *Plastics — Mixtures of polypropylene (PP) and polyethylene (PE) recyclate derived from PP and PE used for flexible and rigid consumer packaging — Part 2: Preparation of test specimens and determination of properties*

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