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**Plastics — Ethylene-vinyl acetate  
(EVAC) moulding and extrusion  
materials —**

**Part 1:  
Designation system and basis for  
specifications**

*Plastiques — Matériaux à base de copolymères éthylène/acétate de  
vinyle (EVAC) pour moulage et extrusion —*

*Partie 1: Système de désignation et base de spécification*

ISO 21301-1:2019

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ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Fax: +41 22 749 09 47  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

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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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see [www.iso.org/patents](http://www.iso.org/patents)).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 61 *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

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](http://www.iso.org/members.html).

This first edition of ISO 21301-1 cancels and replaces the second edition of ISO 4613-1:1993, which has been technically revised. The main changes compared to the previous edition are as follows:

- a new designation system has been introduced;
- the range of MFR has been added.

The revised designation system is published under a new ISO number, as many existing documents refer to ISO 4613-1. If the existing ISO 4613-1 would be replaced by the new designation system, these documents would refer to the incorrect designation system.

The new designation system according to ISO 21301-1 is intended to replace gradually any designation system according to ISO 4613-1.

A list of all parts in the ISO 21301 series can be found on the ISO website.

## Introduction

ISO 4613-1 (revised as ISO 21301-1) is complex and does not fit with daily practice anymore. In practice, ISO 1043 (all parts) and ISO 11469 are, in combination, “improperly” being used as a designation system for, for example, marking. The aim of this revision is to simplify the data block system and to connect more to ISO 1043 (all parts) and ISO 11469, where the first two blocks are used for generic identification and marking of products.

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