
**Plastics — Ultra-high-molecular-weight
polyethylene (PE-UHMW) moulding
and extrusion materials —**

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

*Plastiques — Matériaux à base de polyéthylène à très haute masse
moléculaire (PE-UHMW) pour moulage et extrusion —*

Partie 1: Système de désignation et base de spécifications



Reference number
ISO 11542-1:2001(E)

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Printed in Switzerland

Foreword

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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 part of ISO 11542 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 11542-1 was prepared by Technical Committee ISO/TC 61, *Plastics*, Subcommittee SC 9, *Thermoplastic materials*.

This second edition cancels and replaces the first edition (ISO 11542-1:1994), which has been technically revised. The major change is that density has been replaced by Charpy notched impact strength as one of the designatory properties.

ISO 11542 consists of the following parts, under the general title *Plastics — Ultra-high-molecular-weight polyethylene (PE-UHMW) moulding and extrusion materials*:

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