

DIN EN ISO 1133-2



ICS 83.080.20

Together with
DIN EN ISO 1133-1:2012-03,
supersedes
DIN EN ISO 1133:2005-09

Plastics –**Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics –****Part 2: Method for materials sensitive to time-temperature history and/or moisture (ISO 1133-2:2011)****English translation of DIN EN ISO 1133-2:2012-03****Kunststoffe –****Bestimmung der Schmelze-Massefließrate (MFR) und der Schmelze-Volumenfließrate (MVR) von Thermoplasten –****Teil 2: Verfahren für Materialien, die empfindlich gegen eine zeit- bzw. temperaturabhängige Vorgeschichte und/oder Feuchte sind (ISO 1133-2:2011)****Englische Übersetzung von DIN EN ISO 1133-2:2012-03****Plastiques –****Détermination de l'indice de fluidité à chaud des thermoplastiques, en masse (MFR) et en volume (MVR) –****Partie 2: Méthode pour les matériaux sensibles à l'historique temps-température et/ou à l'humidité (ISO 1133-2:2011)****Traduction anglaise de DIN EN ISO 1133-2:2012-03**

Document comprises 24 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.



A comma is used as the decimal marker.

National foreword

This standard has been prepared by Technical Committee ISO/TC 61 “Plastics” (Secretariat: SAC, China) in collaboration with Technical Committee CEN/TC 249 “Plastics” (Secretariat: NBN, Belgium).

The responsible German body involved in its preparation was the *Normenausschuss Kunststoffe* (Plastics Standards Committee), Working Committee NA 054-01-03 AA *Physikalische, rheologische und analytische Prüfungen*.

DIN EN ISO 1133 consists of the following two parts:

DIN EN 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 1133-1:2011)*

DIN EN ISO 1133-2, *Plastics — Determination of the melt mass-flow rate (MFR) and melt volume-flow rate (MVR) of thermoplastics — Part 2: Method for materials sensitive to time-temperature history and/or moisture (ISO 1133-2:2011)*

This new Part 2 of ISO 1133, together with the first edition of DIN EN ISO 1133-1, cancels and replaces DIN EN ISO 1133:2005-09. In DIN EN ISO 1133-1 changes have been made to accommodate DIN EN ISO 1133-2. DIN EN ISO 1133-1 applies to melt flow rate testing broadly equivalent to that of DIN EN ISO 1133:2005-09. This part of DIN EN ISO 1133 applies to the testing of polymers that are rheologically sensitive to the time-temperature history to which they are subjected during melt flow rate testing.

The DIN Standards corresponding to the International Standards referred to in this document are as follows:

ISO 472	DIN EN ISO 472
ISO 15512	DIN EN ISO 15512

Amendments

This standard differs from DIN EN ISO 1133:2005-09 as follows:

- a) the standard has been editorially revised;
- b) tighter tolerances on the temperature in the cylinder and on the time duration over which the material is subjected to that temperature have been specified;
- c) additional information for preparation and handling of moisture sensitive materials has been given.

Previous editions

DIN 53735: 1970-08, 1977-11, 1983-01, 1988-02
DIN ISO 1133: 1993-02
DIN EN ISO 1133: 2000-02, 2005-09

National Annex NA (informative)

Bibliography

DIN EN ISO 472, *Plastics — Vocabulary*

DIN EN ISO 15512, *Plastics — Determination of water content*

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