ASTM D1238-20 (2013) WITH ALGEBRAIC FIX

Designation: D1238 – 13

# Standard Test Method for Melt Flow Rates of Thermoplastics by Extrusion Plastometer[1]

This standard is issued under the fixed designation D1238; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

## 1. Scope

1.1 This test method covers the determination of the melt flow rates (MFR) of thermoplastic materials using an extrusion plastometer. Melt flow rates are determined at a standard temperature and load, and are expressed in grams per 10 min.

1.2 This test method is applicable to materials that have melt flow rates between 0.15 and 50 g/10 min at the standard temperature and load, and to materials that have melt flow rates between 0.4 and 125 g/10 min at other temperatures and loads.

1.3 This test method is applicable to materials that undergo significant chemical change during the test only if the chemical change is a function of the amount of time the material is at the test temperature.

1.4 This test method is applicable to materials that undergo significant change in molecular weight during the test only if the change is a function of the amount of time the material is at the test temperature.

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