

Contents	Page
Foreword .....	iv
Introduction .....	v
1 Scope .....	1
2 Normative references .....	1
3 Terms and definitions .....	1
4 Principle .....	2
5 Apparatus .....	3
5.1 Extrusion plastometer .....	3
5.2 Accessory equipment .....	7
6 Test sample .....	8
6.1 Sample form .....	8
6.2 Conditioning .....	8
7 Temperature verification, cleaning and maintenance of the apparatus .....	9
7.1 Verification of the temperature control system .....	9
7.2 Cleaning the apparatus .....	10
7.3 Vertical alignment of the instrument .....	10
8 Procedure A: mass-measurement method .....	10
8.1 Selection of temperature and load .....	10
8.2 Cleaning .....	10
8.3 Selection of sample mass and charging the cylinder .....	10
8.4 Measurements .....	11
8.5 Expression of results .....	12
9 Procedure B: displacement-measurement method .....	13
9.1 Selection of temperature and load .....	13
9.2 Cleaning .....	13
9.3 Minimum piston displacement distance .....	13
9.4 Selection of sample mass and charging the cylinder .....	13
9.5 Measurements .....	13
9.6 Expression of results .....	14
10 Flow rate ratio .....	15
11 Precision .....	16
12 Test report .....	16
Annex A (normative) Test conditions for MFR and MVR determinations .....	18
Annex B (informative) Conditions specified in International Standards for the determination of the melt flow rate of thermoplastic materials .....	19
Annex C (informative) Device and procedure for preforming a compacted charge of material by compression .....	20
Annex D (informative) Precision data for polypropylene obtained from an intercomparison of MFR and MVR testing .....	23
Bibliography .....	24