

ISO 3146:2022-03 (E)

Plastics - Determination of melting behaviour (melting temperature or melting range) of semi-crystalline polymers by capillary tube and polarizing-microscope methods

Contents		Page
Foreword		iv
Introduction		v
1 Scope		1
2 Normative references		1
3 Terms and definitions		1
4 Method A — Capillary tube		2
4.1 Principle.....		2
4.2 Apparatus (see Figure 1).....		2
4.3 Test samples.....		2
4.3.1 General.....		2
4.3.2 Characteristics.....		3
4.3.3 Conditioning.....		3
4.4 Procedure.....		4
4.4.1 Calibration.....		4
4.4.2 Determination.....		5
4.5 Test report.....		5
5 Method B — Polarizing microscope		6
5.1 Principle.....		6
5.2 Apparatus.....		6
5.3 Test samples.....		6
5.3.1 Powdered materials.....		6
5.3.2 Moulded or pelleted materials.....		7
5.3.3 Film or sheet materials.....		7
5.3.4 Conditioning.....		7
5.4 Procedure.....		7
5.4.1 Calibration.....		7
5.4.2 Determination.....		7
5.5 Precision.....		8
5.6 Test report.....		8
Bibliography		9