

ISO 11357-7:2015-08 (E)

Plastics - Differential scanning calorimetry (DSC) - Part 7: Determination of crystallization kinetics

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	2
5	Apparatus and materials	2
6	Test specimens	2
7	Test conditions and specimen conditioning	2
8	Calibration	2
9	Procedure	2
9.1	General	2
9.2	Loading the test specimen into the crucible	3
9.3	Insertion of the crucibles into the instrument	3
9.4	Melting of the polymer	3
9.5	Isothermal crystallization	3
9.6	Non-isothermal crystallization	4
10	Expression of results	5
10.1	General	5
10.2	Methods of determination of crystallization kinetics	5
10.2.1	Isothermal crystallization	5
10.2.2	Non-isothermal crystallization	7
11	Precision	8
12	Test report	8
Annex A (informative) Equations for crystallization kinetics of polymers		9
Bibliography		11