

ISO 11357-4:2014-06 (E)

Plastics - Differential scanning calorimetry (DSC) - Part 4: Determination of specific heat capacity

Contents	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
4.1 General	2
4.2 Continuous-scanning method	3
4.3 Stepwise-scanning method	4
5 Apparatus	4
6 Test specimen	4
7 Test conditions and specimen conditioning	4
8 Procedure	4
8.1 Selection of crucibles	4
8.2 Setting up the apparatus and adjustment of isothermal baselines	5
8.3 Measurement of specific heat capacity of calibration material	6
8.4 Specimen run	7
9 Determination of specific heat capacities	7
9.1 Calculation of specific heat capacities	7
9.2 Numerical rounding of the results	7
10 Precision and bias	8
11 Test report	8
Annex A (informative) An approximate expression of the specific heat capacity of pure -alumina [3] to [5]	9
Bibliography	12