ISO 9276-2:2001-04 (E)

Representation of results of particle size analysis - Part 2: Calculation of average particle size s/diameters and moments from particle size distributions

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Symbols and abbreviated terms 1

4 Basic definition of a moment 3

5 Average particle diameters 4
5.1 Arithmetic average particle diameters 4
5.2 Weighted average particle diameters 5
5.3 The calculation of Mk,r and average particle diameters from a number or a volume density distribution, q0 (x) or q3 (x) 5
5.4 Calculation of Mk,r from a number or a volume density distribution, q0(x) or q3(x), given as a histogram 6
5.5 Calculation of volume specific surface area 7
5.6 The variance of a particle size distribution 7

Annex A (informative) Calculation of different average particle diameters from the histogram of a given volume density distribution, numerical example 9

Annex B (informative) Further average particle diameters 11

Bibliography 12