ISO/TS 21237:2020-03 (E)

Nanotechnolog ies - Air filter media containing polymeric nanofibres - Specification of charac teristics and measurement methods

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Abbreviated terms 2

5 Characteristics to be measured and their measurement methods 3
5.1 General 3
5.2 Mandatory and optional characteristics and their measurement methods 3
5.3 Descriptions on characteristics and their measurement methods 4
5.3.1 General 4
5.3.2 Fibre diameter 4
5.3.3 Morphology 4
5.3.4 Specific surface area 4
5.3.5 Chemical composition content 5
5.3.6 Thermal stability 5
5.3.7 Crystalline structure 5
5.3.8 Crystallinity 5
5.3.9 Crystallite size 6

6 Reporting 6

Annex A (informative) Typical structures of air filter media containing nanofibres 7

Annex B (informative) Test report format for mandatory characteristics 9

Annex C (informative) Test report format for optional characteristics 10

Bibliography 11