ISO 28703:2011-08 (E)

Fine ceramics (advanced ceramics, advanced technical ceramics) - Test method for thermal-shock resistance of porous ceramics

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 2

5 Apparatus 2
5.1 Electric furnace 2
5.2 Cooling bath 2
5.3 Temperature-measuring device 2
5.4 Vernier callipers 3
5.5 Micrometer callipers 3
5.6 Thermocouples 3

6 Test specimens 3
6.1 Shape and size 3
6.2 Pretreatment 3
6.3 Number of specimens 3

7 Procedure 3

8 Bending test 4
8.1 Bending strength 4
8.2 Mean bending strength 5

9 Thermal-shock resistance 5

10 Test report 5