DIN 53579:2015-04 (E)

Testing of flexible cellular materials - Indentation test on finished parts

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Terms and definitions 6

4 Test pieces 8
4.1 Shape 8
4.2 Number 8
4.3 Preparation 8

5 Apparatus 8
5.1 Testing machine 8
5.2 Test substructure 8
5.3 Indentor 9

6 Procedure 10
6.1 Preparation 10
6.2 Test sequence parameters 10
6.3 Test sequence 11

7 Repeat test 12

8 Expression of results 12

9 Precision 13

10 Test report 13

Annex A (normative) Additional information on the testing machine and its control 14

A.1 Compensating for the deformation of the load-bearing elements on the testing machine 14
A.2 Exceeding the specified indentation displacement or indentation force 14

Annex B (informative) Precision 15

B.1 General 15
B.2 Details 15
B.3 Results regarding the precision of the method 15
B.4 Repeatability 15
B.5 Reproducibility 15

Annex C (informative) Sample parameters for the test sequence 17

Bibliography 19