DIN EN ISO 105-B04:2024-06 (E)

Textiles - Tests for colour fastness - Part B04: Colour fastness to artificial weathering: Xenon arc fading lamp test (ISO 105-B04:2024)

Contents

Page

European foreword ... **3**

Foreword ... **4**

Introduction ... **5**

1 Scope ... **6**

2 Normative references ... **6**

3 Terms and definitions ... **6**

4 Principle ... **7**

5 Materials ... **7**
5.1 Blue wool references ... 7
5.2 Glass case for blue wool references ... 7
5.3 Specimen mounting cards ... 7
5.4 Specimen covers ... 7
5.5 Specimen holders ... 7
5.6 Grey scale for assessing change in colour ... 7

6 Apparatus ... **8**
6.1 Laboratory light source ... 8
6.1.1 General ... 8
6.1.2 Spectral irradiance ... 8
6.2 Test chamber ... 9
6.3 Radiometer ... 10
6.4 Temperature sensors ... 10
6.4.1 General ... 10
6.4.2 Chamber air temperature thermometer ... 10
6.4.3 Black-standard thermometer (BST) and black-panel thermometer (BPT) ... 10

7 Exposure conditions ... **10**
7.1 General ... 10
7.2 Exposure of test specimens ... 10
7.3 Exposure of colour fastness references ... 11

8 Test specimens ... **11**

9 Procedure ... **11**
9.1 General ... 11
9.2 Exposure methods ... 12
9.2.1 General ... 12
9.2.2 Method 1 ... 12
9.2.3 Method 2 ... 12
9.2.4 Method 3 ... 13
9.3 Drying ... 13
9.4 Mounting for assessment ... 13

10 Assessment of colour fastness to weathering ... **13**

11 Test report ... **14**

Annex A (informative) **General information on colour fastness to light** ... **15**

Annex B (informative) **Radiometer for controlling exposure duration** ... **17**

Bibliography ... **18**