ISO 3865:2020-01 (E)

Rubber, vulcanized or thermoplastic - Methods of test for staining in contact with organic material

Contents

Page

Foreword ..... **iv**

Introduction ..... **v**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Principle **2**
4.1 Method A — Determination of contact straining and migration staining 2
4.2 Method B — Determination of extraction staining 2
4.3 Method C — Determination of penetration staining 2
4.4 Assessment of staining 2

5 Apparatus **2**

6 Test pieces **3**
6.1 Rubber test pieces 3
6.2 Metal or plastics panels for methods A and B 3
6.3 Test piece preparation for method C 3
6.3.1 General 3
6.3.2 Vulcanized test pieces and veneers 4
6.3.3 Lacquered test pieces 4
6.4 Blanks and reference samples 4
6.4.1 Blanks 4
6.4.2 Reference samples 4
6.5 Conditioning of samples and test pieces 4

7 Number of test pieces **5**

8 Procedure **5**
8.1 Method A — Contact staining and migration staining 5
8.2 Method B — Extraction staining 5
8.2.1 General 5
8.2.2 Method B.1 5
8.2.3 Method B.2 6
8.3 Method C — Penetration staining 6

9 Recommended conditions of irradiation **7**
9.1 Intensity 7
9.2 Irradiation time 7
9.3 Surface temperature 7
9.4 Local distribution of test pieces 7

10 Evaluation of degree of staining **7**
10.1 General 7
10.2 Qualitative assessment 7
10.3 Assessment using a grey scale 8
10.4 Assessment using a reflectance spectrometer 8

11 Test report **9**

Bibliography **10**