ISO 10638:2017-07 (E)

Rubber - Identification of antidegradants by gas chromatography/mass spectrometry

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principle 1

5 Thermal-desorption method 2
5.1 Reagents and materials 2
5.2 Apparatus 2
5.3 Sampling 2
5.4 Procedure 3

6 Solvent-extraction method 3
6.1 Reagents and materials 3
6.2 Apparatus 4
6.3 Sampling 4
6.4 Procedure 4

7 Analysis 4
7.1 General 4
7.2 Procedure 4
7.3 Important observations for analysis 5

8 Test report 5

Annex A (normative) Antidegradants covered by this document 6

Annex B (informative) Chromatograms and mass spectra 10

Annex C (informative) Determination of gas-chromatographic retention index 42

Bibliography 45