ISO/TS 22687:2018-08 (E)

Rubber - Framework for assessing the environmental fate of tyre and road wear particles (TRWP)

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Framework for environmental fate analysis 3
4.1 General 3
4.2 Tyre tread manufacture 4
4.2.1 General 4
4.2.2 Chemical selection 4
4.2.3 Tyre tread selection 4
4.2.4 Tyre tread extraction 5
4.2.5 Tread chemical quantification 5
4.3 Tyre tread service life 5
4.3.1 General 5
4.3.2 TRWP generation 5
4.3.3 TRWP extraction and chemical quantification 5
4.4 Tyre tread end-of- life 5
4.4.1 General 5
4.4.2 TRWP weathering 6
4.4.3 Artificial aging test system 6
4.4.4 Release to water 6
4.4.5 Release to sediment and water 7
4.5 Release fraction and environmental availability estimation 9

5 Test report 9

Annex A (informative) Calculation of results 10

Bibliography 13