ISO/TS 16096:2021-07 (E)

Reclaimed isobutene-isoprene (IIR) rubber - Evaluation procedure

Contents

Page

Foreword iv

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Sampling and sample preparation 2

5 Physical and chemical tests on raw rubber 2
5.1 Mooney viscosity 2
5.2 Acetone extract 2
5.3 Ash 2
5.4 Carbon black 2
5.5 Rubber content 2

6 Preparation of test mix for evaluation 2
6.1 Standard test formulation 2
6.2 Mixing procedure -- Mixing with a laboratory mill 3

7 Evaluation of vulcanization characteristics by a curemeter test 4
7.1 Using an oscillating disc curemeter 4
7.2 Using a rotorless curemeter 4

8 Evaluation of Mooney viscosity of test mixes 5

9 Evaluation of tensile stress-strain properties of vulcanized test mixes 5

10 Evaluation of Shore hardness of vulcanized test mixes 5

11 Test report 5

Bibliography 7