ISO 6964:2019 (E)

Polyolefin pipes and fittings — Determination of carbon black content by calcination and pyrolysis — Test method

Contents

Foreword

1 Scope

2 Normative references

3 Principle

4 Method A: Electrical tube furnace

- 4.1 Reagents
- 4.2 Apparatus
- 4.3 Procedure
- 4.3.1 Test conditions
- 4.3.2 Sampling
- 4.3.3 Conditioning
- 4.3.4 Silica sample boat preparation for the test
- 4.3.5 Test portion
- 4.3.6 Determination
- 4.4 Calculation and expression of results (Method A)

5 Method B1 or B2: Muffle furnace (conventional B1) or (microwave B2)

- 5.1 Apparatus
- 5.2 Procedure
- 5.2.1 Test conditions
- 5.2.2 Conditioning
- 5.2.3 Sampling
- 5.2.4 Crucible preparation for the test
- 5.2.5 Test portion
- 5.2.6 Determination
- 5.2.6.1 Method B1: Conventional muffle furnace
- 5.2.6.2 Method B2: Microwave muffle furnace
- 5.3 Calculation and expression of results (Method B1 and B2)

6 Method C: Thermogravimetric analyzer (TGA)

- 6.1 Apparatus
- 6.2 Procedure
- 6.2.1 Conditioning
- 6.2.2 Sampling
- 6.2.3 Test portion
- 6.2.4 Temperature scanning program
- 6.2.5 Gas-flow rate
- 6.2.6 Determination
- 6.3 Calculation and expression of results (Method C)

7 Test report

Page count: 9