

ISO 21309-2:2019 (E)

Plastics — Ethylene/vinyl alcohol (EVOH) copolymer moulding and extrusion materials — Part 2: Preparation of test specimens and determination of properties

Contents

| | |
|---------|--|
| | Foreword |
| 1 | Scope |
| 2 | Normative references |
| 3 | Terms and definitions |
| 4 | Preparation of test specimens |
| 4.1 | General |
| 4.2 | Treatment of the material before moulding |
| 4.3 | Injection moulding |
| 4.4 | Preparation of film specimens |
| 5 | Conditioning of test specimens |
| 5.1 | General |
| 5.2 | Dry-as-moulded (DAM) state |
| 5.3 | Moist state |
| 5.4 | Film conditioning |
| 6 | Determination of properties |
| Annex A | (normative) Determination of volatile matter (including water) |
| A.1 | General |
| A.2 | Principle |
| A.3 | Apparatus |
| A.4 | Procedure |
| A.5 | Expression of results |
| A.6 | Precision |
| A.7 | Test report |
| Annex B | (normative) Determination of ethylene content |
| B.1 | General |
| B.2 | Principle |
| B.3 | Reagents |
| B.4 | Apparatus |
| B.5 | Procedure |
| B.5.1 | Acetylation |
| B.5.2 | Determination |
| B.5.3 | Blank test |
| B.5.4 | Number of determinations |
| B.6 | Expression of results |
| B.7 | Test report |
| Annex C | (normative) Determination of steady-state rate of transmission of oxygen gas through ethylene/vinyl alcohol copolymer in the form of film using a coulometric sensor |
| C.1 | General |
| C.2 | Principle |
| C.3 | Materials |
| C.4 | Apparatus |
| C.5 | Test specimens |
| C.6 | Procedure |

- C.6.1 Test conditions**
- C.6.2 Insertion of specimen**
- C.6.3 Purging the system**
- C.6.4 Baseline adjustment**
- C.6.5 Determination**
- C.6.6 Calibration**
- C.7 Expression of results**
- C.8 Test report**

Page count: 16