

DIN ISO 17449:2017-10 (E)

Road vehicles - Safety glazing materials - Test methods for properties of electrically heated glazing (ISO 17449:2015)

| Contents | | Page |
|--|---|-------------|
| National foreword | | 4 |
| National Annex NA (informative) Bibliography | | 4 |
| Foreword | | 5 |
| 1 | Scope | 6 |
| 2 | Normative references | 6 |
| 3 | Terms and definitions | 6 |
| 4 | Specimens | 8 |
| 5 | Conditioning of test specimens | 8 |
| 6 | Application of test | 8 |
| 7 | Requirements | 9 |
| 7.1 | Circuit continuity and heating power | 9 |
| 7.1.1 | Purpose of test | 9 |
| 7.1.2 | Apparatus | 9 |
| 7.1.3 | Procedure | 9 |
| 7.1.4 | Expression of results | 9 |
| 7.2 | Driving visibility | 10 |
| 7.2.1 | Purpose of test | 10 |
| 7.2.2 | Apparatus | 10 |
| 7.2.3 | Procedure | 10 |
| 7.2.4 | Expression of results | 10 |
| 7.3 | Electrical attachment bond performance | 10 |
| 7.3.1 | Purpose of test | 10 |
| 7.3.2 | Apparatus | 10 |
| 7.3.3 | Procedure | 11 |
| 7.3.4 | Expression of results | 11 |
| 7.4 | Electrical attachment bending performance | 11 |
| 7.4.1 | Purpose of test | 11 |
| 7.4.2 | Procedure | 11 |
| 7.4.3 | Expression of results | 11 |
| 7.5 | Hot spot and heating uniformity | 11 |
| 7.5.1 | Purpose of test | 11 |
| 7.5.2 | Apparatus | 12 |
| 7.5.3 | Procedure | 12 |
| 7.5.4 | Expression of results | 12 |
| 7.6 | Defrosting efficiency | 12 |
| 7.6.1 | Purpose of test | 12 |
| 7.6.2 | Apparatus | 12 |
| 7.6.3 | Procedure | 13 |
| 7.6.4 | Expression of results | 13 |
| 7.7 | High voltage durability | 13 |
| 7.7.1 | Purpose of test | 13 |
| 7.7.2 | Procedure | 13 |

| | | |
|-------|-------------------------------------|----|
| 7.7.3 | Expression of results | 14 |
| 7.8 | Low temperature performance | 14 |
| 7.8.1 | Purpose of test | 14 |
| 7.8.2 | Apparatus | 14 |
| 7.8.3 | Procedure | 14 |
| 7.8.4 | Expression of results | 14 |
| 7.9 | Long term humidity durability | 14 |
| 7.9.1 | Purpose of test | 14 |
| 7.9.2 | Apparatus | 14 |
| 7.9.3 | Procedure | 15 |
| 7.9.4 | Expression of results | 15 |
| 8 | Acceptance criteria | 15 |