ISO/TS 18178:2018 (E)

Glass in building — Laminated solar photovoltaic glass for use in buildings

Contents

Foreword

1 Scope

2 Normative references

3 Terms and definitions

4 Description of components

- 4.1 General
- 4.2 Types of glass
- 4.3 Typical types of solar cells
- 4.4 Interlayer
- 4.5 Interconnector
- 4.6 Insulating strip
- 4.7 Termination

5 Requirements

- 5.1 General
- 5.2 Appearance
- 5.2.1 Major visual defects
- 5.2.2 Defects in the main area
- 5.2.3 Defects in the edge area
- 5.3 Dimensions and edge finishing
- 5.4 High temperature test
- 5.5 Damp heat test
- 5.6 Radiation test
- 5.7 Thermal cycling test
- 5.8 Humidity freeze test
- 5.9 Measurement of NMOT
- 5.10 Hot-spot endurance test
- 5.11 Impact test
- 5.12 Ball drop test
- 5.13 Insulation test
- 5.14 Wet leakage current test
- 5.15 Robustness of terminations test

6 Test specimens

7 Test methods

- 7.1 Test sequences
- 7.2 Visual inspection
- 7.3 High temperature test
- 7.4 Damp heat test
- 7.5 Radiation test
- 7.6 Thermal cycling test
- 7.7 Humidity-freeze test
- 7.8 Measurement of NMOT
- 7.9 Hot-spot endurance test
- 7.10 Ball drop test
- 7.10.1 Purpose
- 7.10.2 Specimen
- 7.10.3 Apparatus
- 7.10.3.1 Impactor.
- 7.10.3.2 Impactor hold-release device.

7.10.3.3 Specimen holder.
7.10.4 Procedure
7.11 Insulation test
7.12 Wet leakage current test
7.13 Robustness of terminations test
8 Designation

Page count: 13