ISO 877-3:2018 (E)

Plastics — Methods of exposure to solar radiation — Part 3: Intensified weathering using concentrated solar radiation

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Principle

5 Apparatus

6 Test specimens

7 Exposure conditions

7.1 Orientation of mirrors
7.2 Exposure site
7.3 Temperature control
7.4 Irradiance level

8 Exposure stages

8.1 General
8.2 Solar radiant exposure
8.2.1 Guidance for selection of the exposure stage
8.2.2 Instrumental measurement of solar radiant exposure
8.2.2.1 Total solar radiant exposure
8.2.2.2 Radiant exposure in specified wavelength intervals

9 Procedure

9.1 Mounting of test specimens
9.2 Mounting of reference materials (if used)
9.3 Climatic observations
9.4 Exposure of test specimens
9.4.1 General
9.4.2 Exposure cycles
9.4.3 Testing under glass

10 Expression of results

10.1 Determination of changes in properties
10.2 Climatic conditions and observations
10.2.1 General
10.2.2 Temperature
10.2.3 Relative humidity
10.2.4 Levels (values) of exposure stages
10.2.5 Precipitation
10.2.6 Time of wetness
10.2.7 Other observations

11 Test report

Page count: 11