

DIN EN ISO 877-3:2026-09 (E)

Plastics - Methods of exposure to solar radiation - Part 3: Intensified weathering using concentrated solar radiation (ISO 877-3:2026)

Contents

Page

Foreword.....	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	1
5 Apparatus	2
5.1 General requirements	2
5.2 Apparatus for measurement of climatic factors	3
6 Test specimens	3
7 Exposure conditions	4
7.1 Orientation of mirrors	4
7.2 Exposure site	4
7.3 Temperature control	4
7.4 Irradiance level	5
8 Exposure stages	6
8.1 General	6
8.2 Solar radiant exposure	6
8.2.1 Guidance for selection of the exposure stage	6
8.2.2 Instrumental measurement of solar radiant exposure	6
9 Procedure	7
9.1 Mounting of test specimens	7
9.2 Mounting of reference materials (if used)	7
9.3 Climatic observations	7
9.4 Exposure of test specimens	7
9.4.1 General	7
9.4.2 Exposure cycles	7
9.4.3 Testing under glass	7
10 Expression of results	8
10.1 Determination of changes in properties	8
10.2 Climatic conditions and observations	8
10.2.1 General	8
10.2.2 Temperature	8
10.2.3 Relative humidity	8
10.2.4 Levels (values) of exposure stages	8
10.2.5 Radiation measurement	9
10.2.6 Precipitation	9
10.2.7 Time of wetness	9
10.2.8 Other observations	9
11 Test report	9
Bibliography	10