

ISO 4892-3:2024-10 (E)

Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps

Contents		Page
Foreword		iv
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principle	1
5	Apparatus	2
5.1	Laboratory light source	2
5.2	Test chamber	5
5.3	Radiometer	6
5.4	Control of temperature	6
5.5	Wetting	6
5.5.1	General	6
5.5.2	Condensation and water spray system	7
5.6	Control of humidity	7
5.7	Specimen holders	7
5.8	Apparatus to assess changes in properties	7
6	Test specimens	8
7	Test conditions	8
7.1	Radiation	8
7.2	Temperature	8
7.3	Condensation and spray cycles	8
7.4	Cycles with dark periods	8
7.5	Sets of exposure conditions	8
8	Procedure	10
8.1	General	10
8.2	Mounting the test specimens	10
8.3	Exposure	10
8.4	Measurement of radiant exposure	11
8.5	Determination of changes in properties after exposure	11
9	Test report	11
Annex A (normative)	Relative irradiance of typical fluorescent UV lamps	12
Annex B (informative)	Condensation type device	16
Annex C (informative)	Climatic chamber type device	17
Annex D (informative)	Alternative test cycles	18
Bibliography		19