

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