

DIN EN 16472:2014-06 (E)

Plastics - Method for artificial accelerated photoageing using medium pressure mercury vapour lamps

Contents		Page
Foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	General	5
5	Apparatus	6
5.1	Laboratory light source	6
5.2	Test chamber	8
5.3	Specimen holders	9
5.4	Radiometer	9
5.5	Temperature sensor	9
5.6	Temperature controller	9
5.7	Optional facilities	10
6	Test specimens	10
7	Exposure conditions	10
7.1	Radiation	10
7.2	Temperature	10
7.3	Optional facilities	10
8	Procedure	10
8.1	Verification of the apparatus	10
8.2	Mounting the test specimens	11
8.3	Exposure	11
8.4	Measurement of radiant exposure	11
8.5	Determination of changes in properties after exposure	11
9	Test report	11
Annex A (informative)	Additional filtering of lamp UV radiations	13
A.1	Additional filtering of UVB radiations for chromophoric polymers exposed to outdoor conditions	13
A.2	Additional filtering of UV radiations for polymers exposed to indoor conditions	14
Annex B (informative)	Temperature control during photoageing	15
Bibliography		16