

Measurement procedures for materials used in photovoltaic modules - Part 1-4: Encapsulants - Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off wavelength

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 62788-1-4:2016 sisaldab Euroopa standardi EN 62788-1-4:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 62788-1-4:2016 consists of the English text of the European standard EN 62788-1-4:2016.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 16.12.2016.	Date of Availability of the European standard is 16.12.2016.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

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English Version

Measurement procedures for materials used in photovoltaic modules - Part 1-4: Encapsulants - Measurement of optical transmittance and calculation of the solar-weighted photon transmittance, yellowness index, and UV cut-off wavelength
(IEC 62788-1-4:2016)

Procédures de mesure des matériaux utilisés dans les modules photovoltaïques - Partie 1-4: Encapsulants - Mesurage du facteur de transmission optique et calcul du facteur de transmission photonique à pondération solaire, de l'indice de jaunissement et de la fréquence de coupure des UV
(IEC 62788-1-4:2016)

Messverfahren für Werkstoffe, die in Photovoltaikmodulen verwendet werden - Teil 1-4: Verkapselungsmaterialien - Messung der optischen Transmission und Berechnung der solargewichteten Photonentransmission, des Vergilbungsindex und der UV-Grenzfrequenz
(IEC 62788-1-4:2016)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 82/1148/FDIS, future edition 1 of IEC 62788-1-4, prepared by IEC/TC 82 "Solar photovoltaic energy systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62788-1-4:2016.

The following dates are fixed:

- latest date by which the document has to be (dop) 2017-08-01
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2019-11-01
standards conflicting with the
document have to be withdrawn

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In the official version, for Bibliography, the following note has to be added for the standard indicated :

IEC/TS 61836 NOTE Harmonized as CLC/TS 61836.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60904-3	-	Photovoltaic devices - Part 3: Measurement principles for terrestrial photovoltaic (PV) solar devices with reference spectral irradiance data	EN 60904-3	-
ISO 291	2008	Plastics - Standard atmospheres for conditioning and testing	EN ISO 291	2008
ISO 11664-1	2007	Colorimetry - Part 1: CIE standard colorimetric observers	EN ISO 11664-1	2011
ISO 11664-2	2007	Colorimetry - Part 2: CIE standard illuminants	EN ISO 11664-2	2011
ISO 13468-2	1999	Plastics - Determination of the total luminous transmittance of transparent materials - Part 2: Double-beam instrument	EN ISO 13468-2	2006
ISO 17223	2014	Plastics - Determination of yellowness index and change in yellowness index	-	-
ASTM E424-71	2007 ¹⁾	Standard test methods for solar energy transmittance and reflectance (Terrestrial) of sheet materials	-	-

¹⁾ Superseded by ASTM E424-71:2015.

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