

# DIN CEN ISO/TR 18486:2020-07 (E)

Plastics - Parameters comparing the spectral irradiance of a laboratory light source for weathering applications to a reference solar spectral irradiance ( ISO/TR 18486:2018)

---

<b>Contents</b>		<b>Page</b>
European foreword .....		3
Foreword .....		4
Introduction .....		5
<b>1</b>	<b>Scope</b> .....	<b>6</b>
<b>2</b>	<b>Normative references</b> .....	<b>6</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>6</b>
<b>4</b>	<b>Symbols</b> .....	<b>6</b>
<b>5</b>	<b>Significance</b> .....	<b>7</b>
<b>6</b>	<b>Requirements</b> .....	<b>7</b>
<b>7</b>	<b>Calculation methods</b> .....	<b>7</b>
7.1	Characterizing parameter for a wavelength range .....	7
7.1.1	Choice of the wavelength range .....	7
7.1.2	Scaling condition .....	8
7.1.3	Characterizing parameter $f_{\lambda_1-\lambda_2}$ for a wavelength range .....	9
7.2	Characterizing parameter for a known action spectrum .....	9
7.2.1	Choice of the wavelength range with action spectrum .....	9
7.2.2	Scaling condition with action spectrum .....	9
7.2.3	Characterizing parameter $f_{s(\lambda)1-s(\lambda)2}$ with action spectrum .....	10
<b>Annex A (informative) Examples for parameters of some commercially available solar simulators</b> .....		<b>11</b>
<b>Bibliography</b> .....		<b>13</b>