

**PRODUCT INFORMATION**

**PLEXIGLAS® SOFTLIGHT DF23**

**Product Profile:**

PLEXIGLAS® Softlight df23 is a forward light scattering molding compound, based on PLEXIGLAS® polymer and polymer spheres in the µm range.

The main properties are:

- Mie scattering
- medium wavelength dependent scattering
- forward scattering
- very good transmittance
- velvet surface in extrusion
- reduced surface gloss
- excellent outdoor weathering properties

**Suggested light in- and output:**

Direct lit or edge lit

**Examples:**

Luminaire covers, extruded profiles, injection molded parts, display BLU's, ambient light guides

**Physical Form / Packaging:**

PLEXIGLAS® Softlight df23 is supplied as pellets of uniform size in a two layered 25 kg Polyethylene bag, further packaging upon request.

**Specified Characteristic:**

Vicat, MVR, Half value angle

**More Information:**

Part of the PLEXIGLAS® Softlight program,

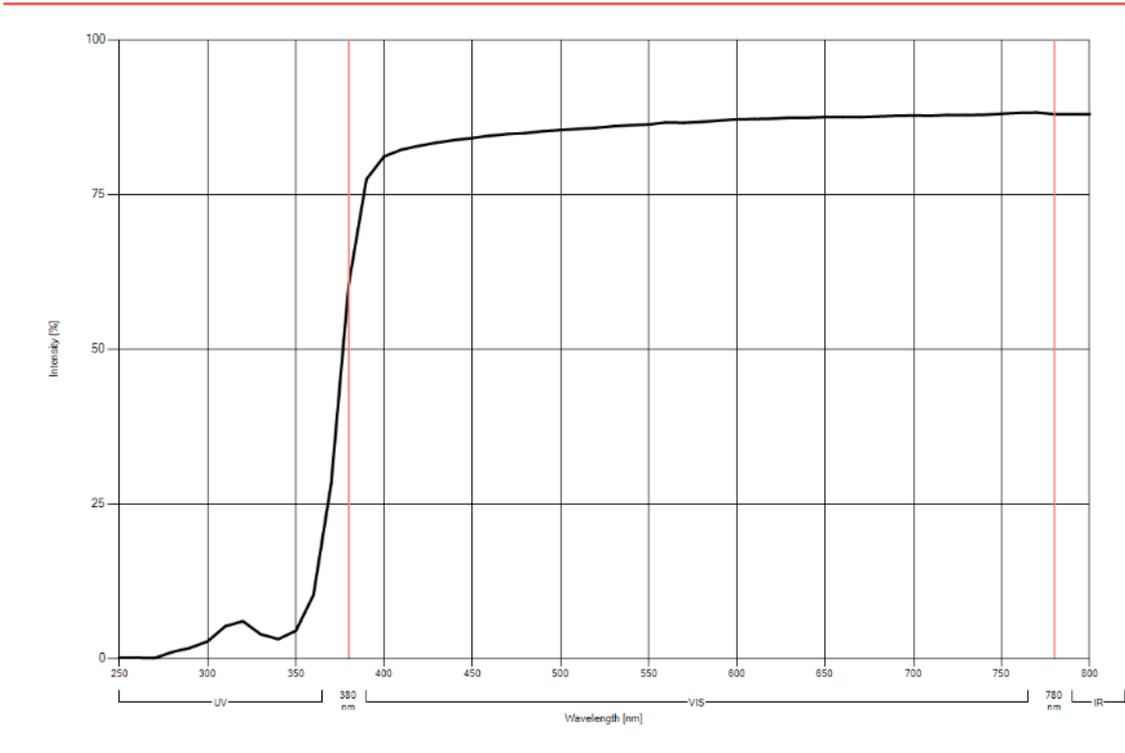
Goniometer data available in 1- 3mm as Excel file

| Properties  |             | Unit | 1mm   | 2mm   | 3mm   |
|---|-------------|------|-------|-------|-------|
| Luminous Transmittance A/2°                         | ISO 13486-2 | %    | 89    | 86    | 83    |
| Halve Value Angle HVA with direct transmission      | DIN 5036    | °    | 11    | 15    | 19    |
| Halve Value Angle HVA without direct transmission * | DIN 5036    | °    | 11    | 15    | 19    |
| Scattering Power                                    | DIN 5036    |      | 0,094 | 0,171 | 0,256 |

HVA based on NLA; \* Data between -0,8° to +0,8° excluded from calculation of HVA

### Transmittance PLEXIGLAS® Softlight df23 2mm

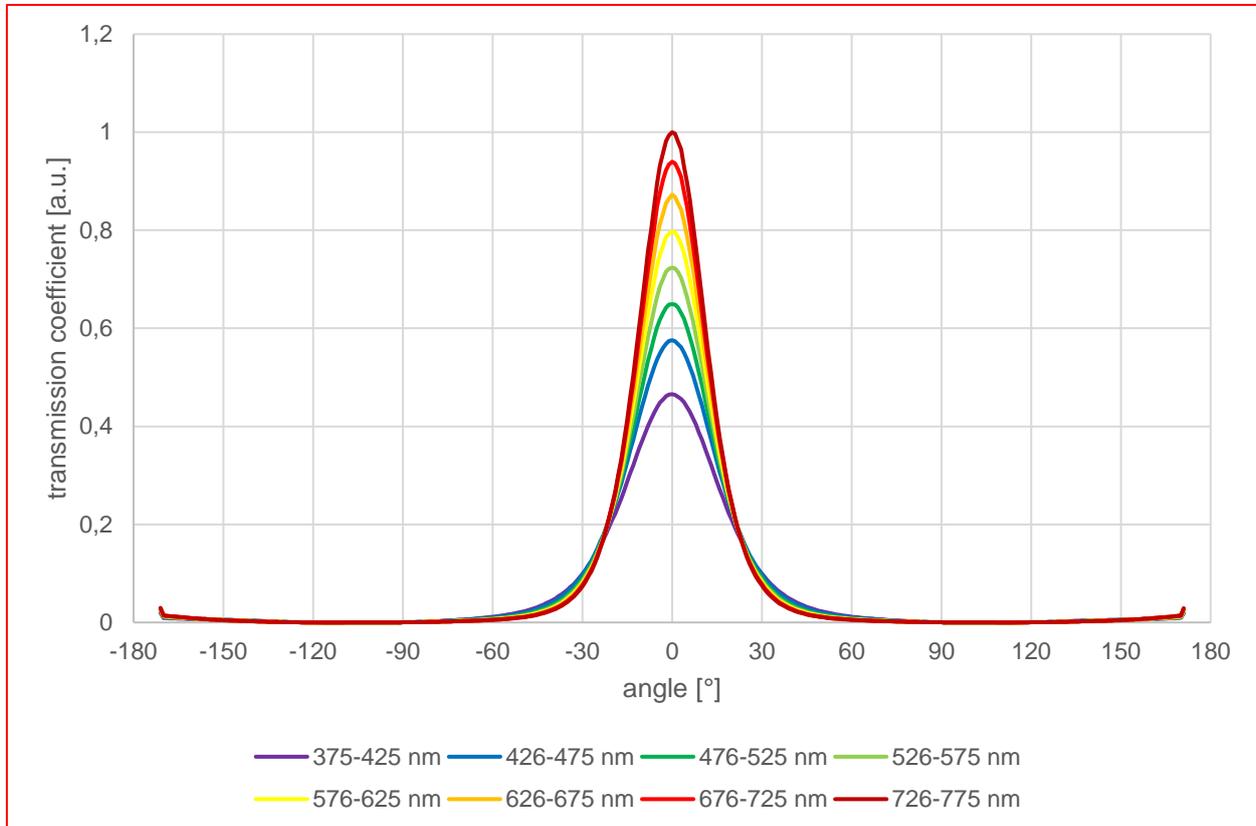
UV- and VIS- area; ISO 13468-2



### Goniometer Data: PLEXIGLAS® Softlight df23 2mm

Angle < -90° and > 90° indicates reflection.

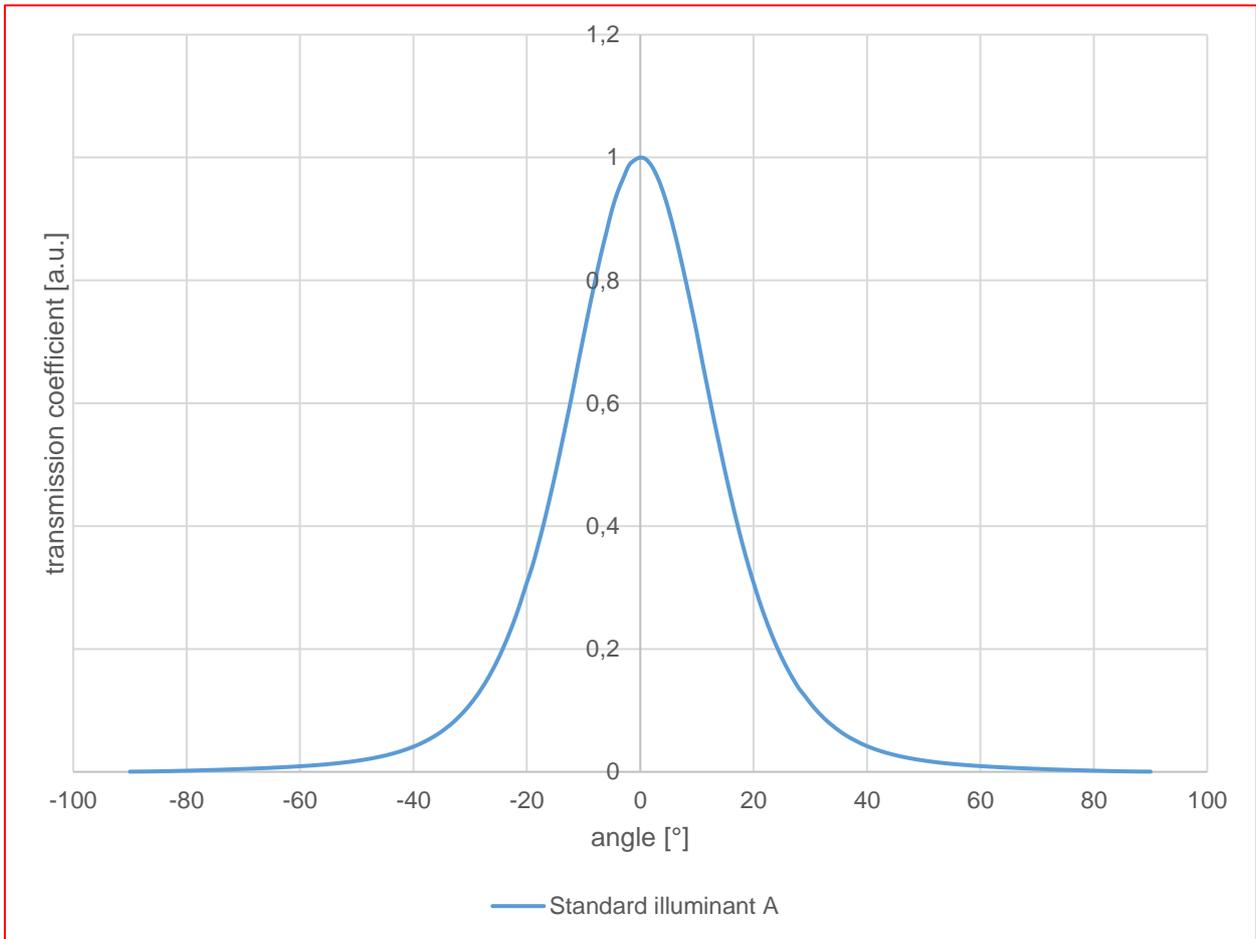
Normalized measured Transmission Coeff. with direct Transmission (over all wavelength packages)



Ref 011182285980

**Goniometer Data: PLEXIGLAS® Softlight df23 2mm**

Normalized measured Transmission Coeff. NLA with direct Transmission [a.u.]



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Certified to ISO 9001:2015, ISO 14001:2015 and IATF 16949:2016

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