

**PRODUCT INFORMATION**

**PLEXIGLAS® SOFTLIGHT DF97**

**Product Profile:**

PLEXIGLAS® Softlight df97 is a light scattering molding compound, based on PLEXIGLAS® polymer and polymer spheres in the µm range.

The main properties are:

- Mie scattering
- less LED “Hot Spots”
- low profile luminaire design
- low wavelength dependent scattering
- forward and low backward scattering
- good transmittance
- smooth surface in extrusion
- reduced surface gloss
- excellent outdoor weathering properties

**Examples:**

Luminaire covers, extruded profiles, injection molded parts, ambient light applications

**Physical Form / Packaging:**

PLEXIGLAS® Softlight df97 is supplied as pellets of uniform size in a two layered 25 kg Polyethylene bag, further packaging upon request.

**Specified Characteristic:**

Vicat, MVR, Transmittance

**More Information:**

Part of the PLEXIGLAS® Softlight program,  
Goniometer data available in 1- 3mm as Excel file

**Suggested light in- and output:**

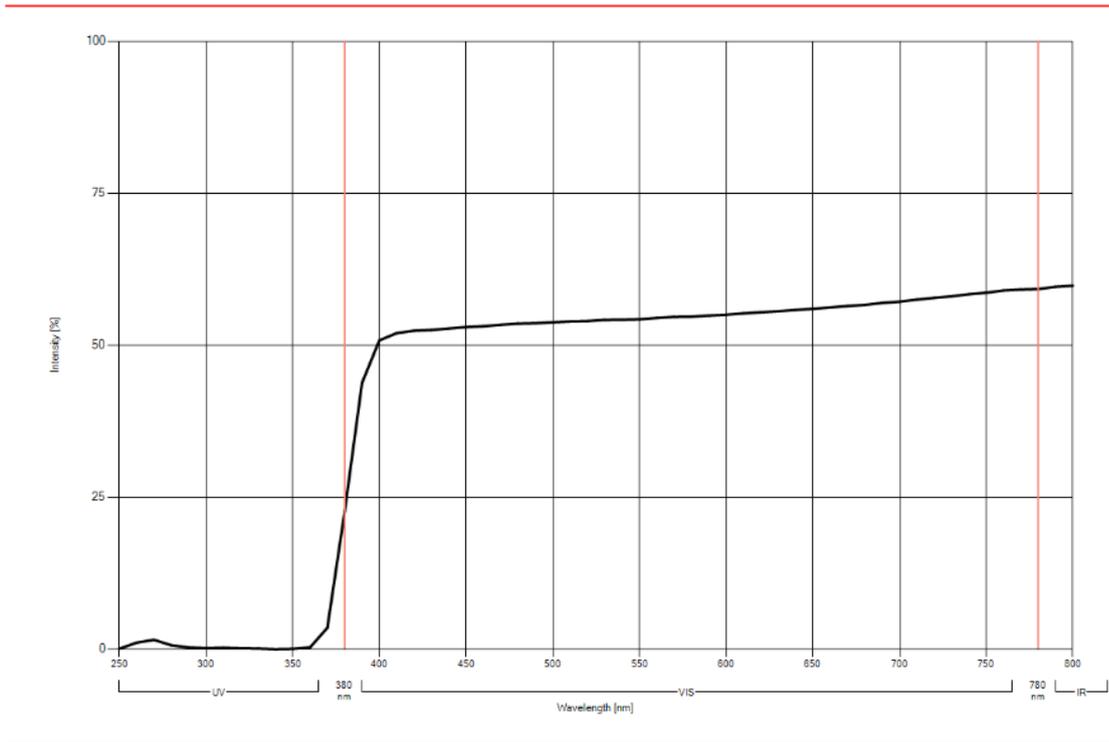
Direct lit

Properties		Unit	1mm	2mm	3mm
Luminous Transmittance A/2°	ISO 13486-2	%	72	54	44
Half Value Angle HVA with direct transmission	DIN 5036	°	29	44,5	52
Half Value Angle HVA without direct transmission *	DIN 5036	°	29	44,5	52
Scattering Power	DIN 5036		0,394	0,521	0,577

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

### Transmittance PLEXIGLAS® Softlight df97 2mm

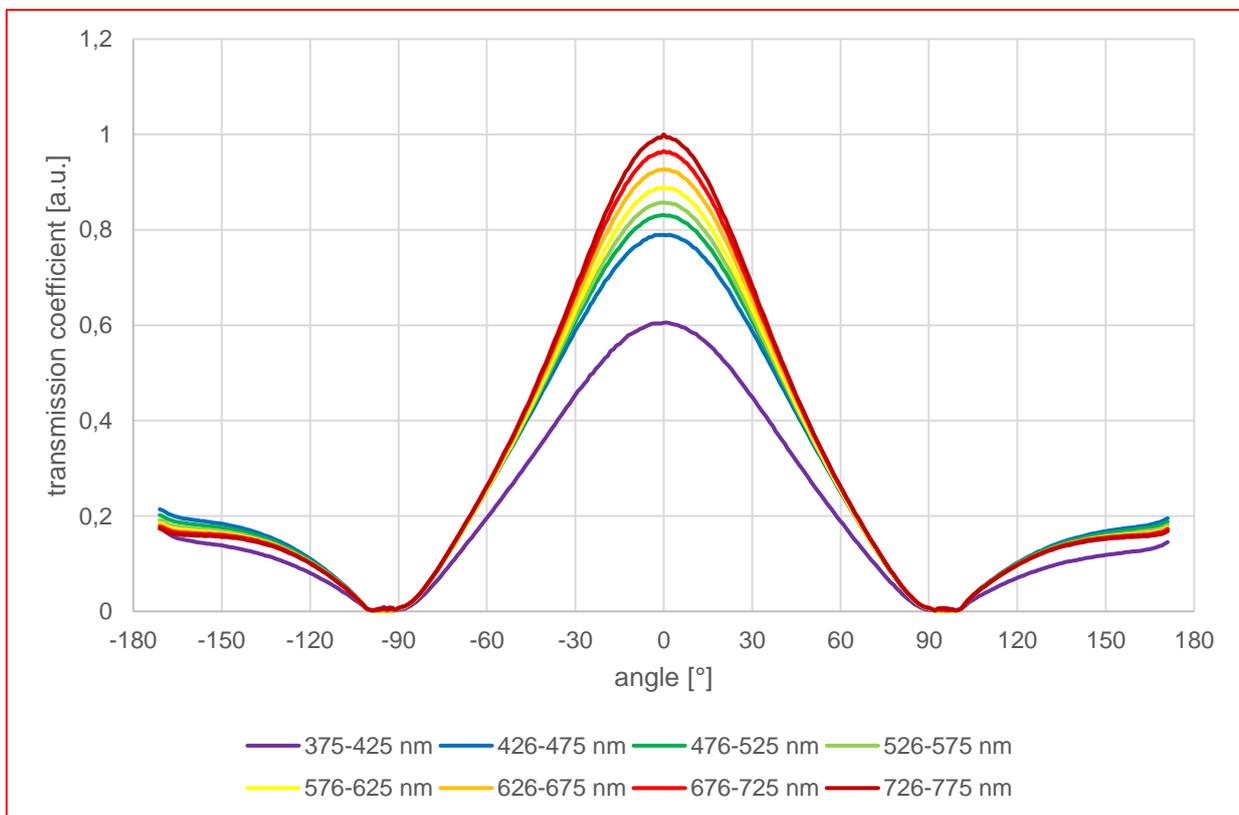
UV- and VIS- area; ISO 13468-2



### Goniometer Data: PLEXIGLAS® Softlight df97 2mm

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

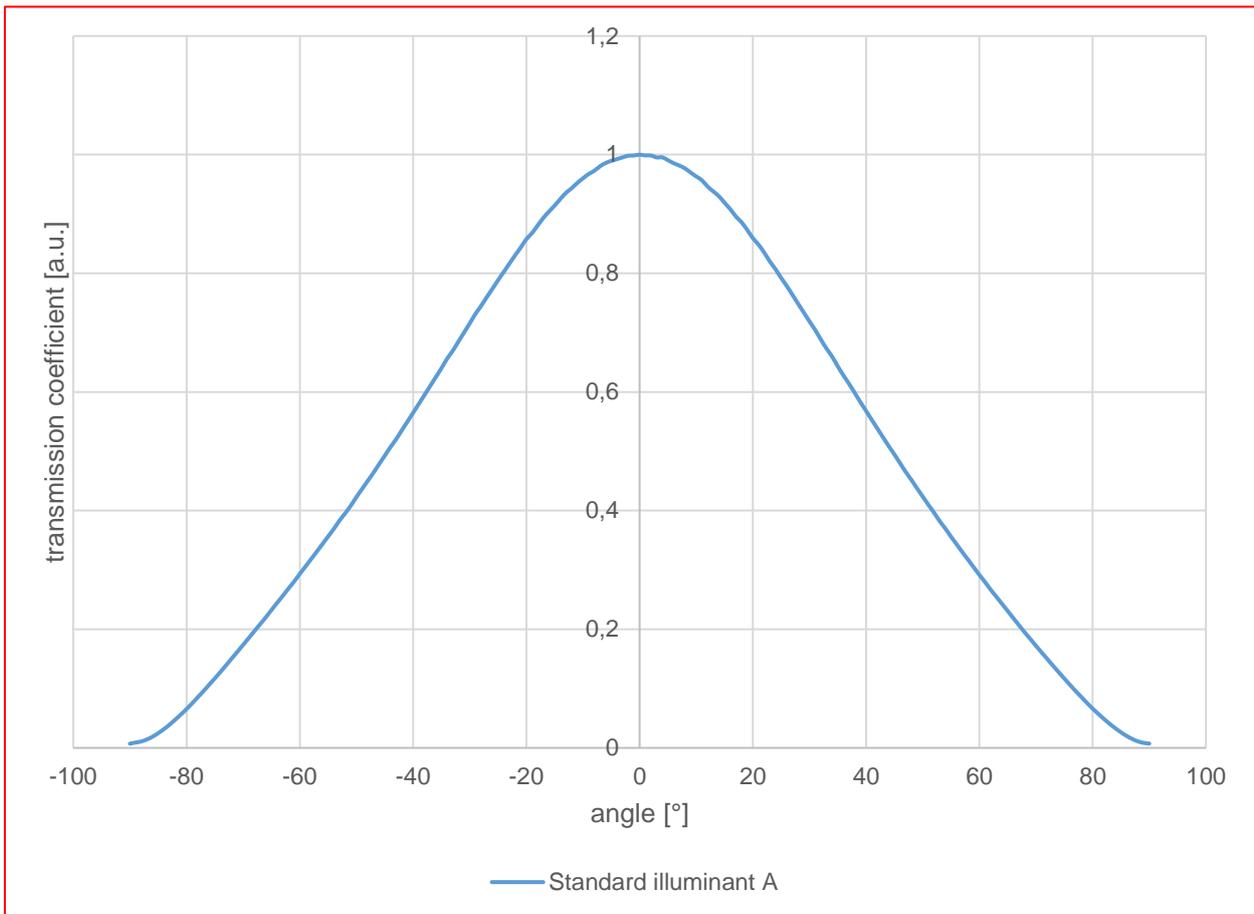
Normalized measured Transmission Coeff. with direct Transmission (over all wavelength packages)



Ref 011182139542

**Goniometer Data: PLEXIGLAS® Softlight df97 2mm**

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



Ref 011182139542

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

This information and all further technical advice are based on our present knowledge and experience. However, it implies no liability or other legal responsibility on our part, including with regard to existing third-party intellectual property rights, especially patent rights. In particular, no warranty, whether expressed or implied, or guarantee of product properties in the legal sense is intended or implied. We reserve the right to make any changes according to technological progress or further developments. The customer is not released from the obligation to conduct careful inspection and testing of incoming goods. Performance of the product described herein should be verified by testing, which should be carried out only by qualified experts in the sole responsibility of a customer. Reference to trade names used by other companies is neither a recommendation, nor does it imply that similar products could not be used.

Röhm GmbH • Darmstadt • Germany

plexiglas.polymers@roehm.com  
www.plexiglas-polymers.com  
www.roehm.com

File: PLEXIGLAS Softlight df97 Product Info Color\_E.docx; Date: 2022-06-23