

PRODUCT INFORMATION

PLEXIGLAS® LED 0V206

Product Profil:

PLEXIGLAS® LED white 0V206 is characterized by diffuse scattering of light, based on PLEXIGLAS® 7N, PLEXIGLAS® 7H, PLEXIGLAS® 8N or PLEXIGLAS® Resist zk6BR.

In addition to the known attributes of PLEXIGLAS® base molding compound

- very good weather durability
- high hardness of the surface and scratch resistance

has PLEXIGLAS® LED white 0V206 the specific nature of an even light distribution and very high transmission values when backlit with intense LED - this is demonstrated at a suitable distance between cover and LED light source as well as with optimized material thickness of the component.

Application:

The coloring of PLEXIGLAS® LED white 0V206 in the respective base molding compound is appropriate for injection molding, extrusion und injection blow molding for manufacturing molded parts for lighting applications with LED back lighting.

Examples:

Light covers, LED-lighting rails, bulbs, facade lighting and lighting switches

Processing:

In regards to manufacturing the remarks in the product information of base molding compounds should be considered.

Physical Form / Packaging:

PLEXIGLAS® LED white 0V206 can be supplied in any base molding compound, when obtaining a certain minimum amount, as pellets of uniform size in a two layered 25 kg Polyethylene bag, further packaging upon request.

Order example:

PLEXIGLAS® LED zk6BR white 0V206

Goniometer:

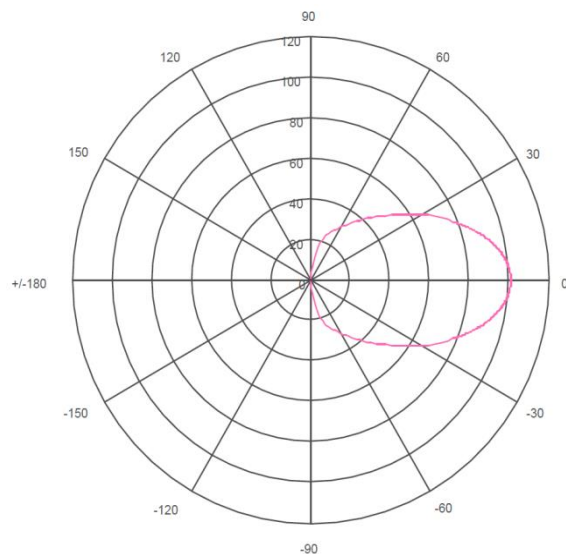
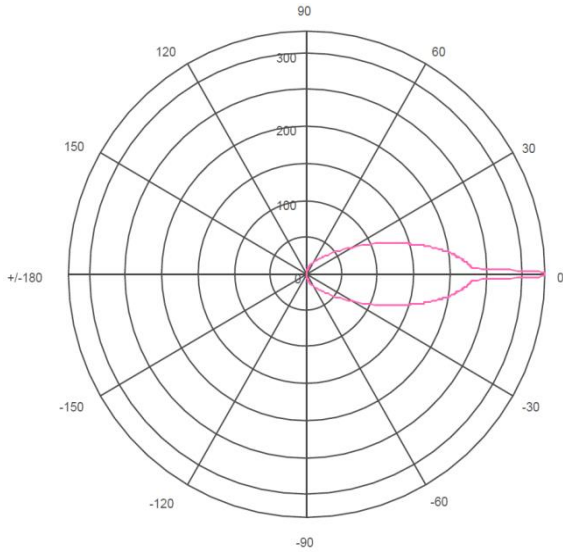
Half-value angle and scattering power to the goniometer for PLEXIGLAS® LED white 0V206 in thicknesses:

Properties

	Parameter	Unit	Standard	1 mm	2 mm	3 mm
Luminous transmittance	D 65	%	ISO 13468-2	82	67	55
Half-Value Angle		°	DIN 5036	14	39	59
Scattering power			DIN 5036	0.31	0.52	0.65

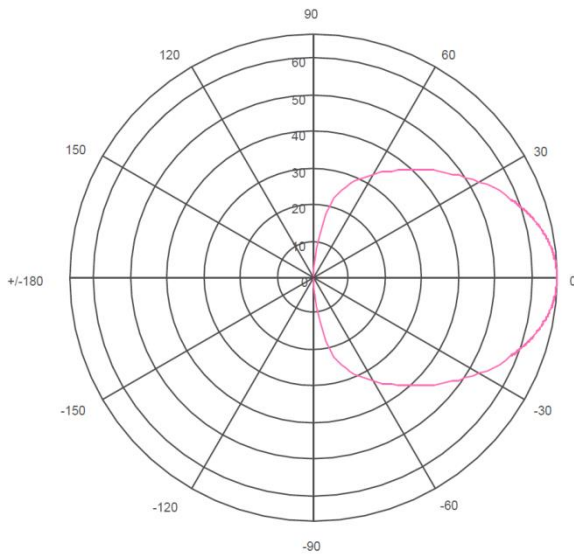
Goniometer polar diagrams:

Luminance [cd/m²] as a function of the measured angle [°] of PLEXIGLAS® LED white 0V206



Material thickness 1 mm

Material thickness 2 mm



Material thickness 3 mm

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

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Röhm GmbH • Darmstadt • Germany

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

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