

AKRYLON XT Opal 2950 (diffusion opal)

Akrylon XT opal 2950 - are extruded PMMA sheets containing a diffuser in the mass to improve light diffusion, especially in case of LED lighting.

Light is uniformly distributed in the surface avoiding disturbing shadows with proper coating of LED diodes and low distortion colour of the light emitted LED modules (chromatic temperature).

Standard opal 2945 and diffusion opal 2950 comparison:

Testing conditions:

Test box with construct- depth of 11 cm. The rear wall equipped with 3-LED modules of size 72x17mm labelled DXI-3LED-S-65 (power 0,72W, colour temperature 6400K, 66lm, optics 150°), with shoulder spacing 13,54x16cm.

Type of Opal	Sheet thickness [mm]	Light Transmission [%] EN ISO 134682	Construct Depth in LED Box [cm]	Chromatic Temperature [K]	Luminance [Lux]
2945	3	25	11	5522	733
2950	3	53	11	6270	1159

Diffusion opal 2950, under the same test conditions, has about 58% higher luminance and low distortion of the light emitted LED module (6400K chromatic temperature of LED module, with using diffusion opal 2950 is chromatic temperature 6270K) compare to standard opal 2945.

Polycasa

Technical service

The information in this leaflet is based on our knowledge and experience to date. It does not release the user from the obligation of carrying out his own tests and trials, in view of the many factors that may affect processing and application; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed. Technical data of our products are typical ones; the actually measured values are subject to production variations.