

1.2.1.0/1

Translucent Building Elements

Product properties - Physical properties

Stand: 06/14

PC 2540-10

Up-Value from 0.99 W/m²K to 1.00 W/m²K

Depending on horizontal or vertical installation situation as interior or exterior application according to DIN EN ISO 6946:2008 / DIN EN ISO 10077-2:2008



Flammability classifications:

PC 2540-10

fire class B 2 according to DIN 4102

Building width:

500 mm +/- 1 %

Thickness:

40 mm +/- 1 %

Weight:

approx. 4.20 kg/m²

Number of layers:

10 layers / 9 chambers

Modulus of elasticity:

2,400 N/mm²

Coefficient of linear expansion:

0.065 mm/m/°C

UV admission:

< 1 %, wavelength until 380 nm stopped almost a 100 %

Production tolerances:

s. General information

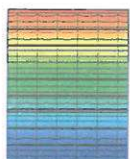
Versions:

Standard:

Colours: crystal and opal antiblind

Up-values:

Isotherm- and temperature pattern from -10 °C outside and 20 °C inside at vertical assembly



Isotherm:

Red: 13 °C

Blue: 10 °C

Black: 0 °C

Installation situation exterior:

Up-value 0.99 W/m²K vertical

Up-value 1.00 W/m²K horizontal

The German building approval foresees the calculation of facade and roof areas according to the requirements of DIN 10077-2 (U_{ow}). If additional or divergent national requirements be asked to calculate the thermal protection, these must be respected.

Sound insulation:

approx. 24 dB Rw



1.2.1.0/2

Translucent Building Elements

Physical properties

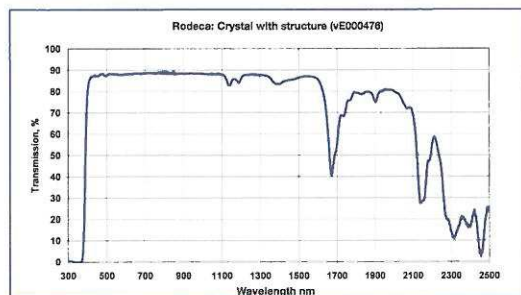
Stand: 06/14

Transmission:

Standard:

Colour: crystal
Colour: opal antiblind

approx. 46%
approx. 33%



The Measurement of the transmission values was carried out with application of a natural day light lamp of 20,000 Lux in connection with a lux meter Lightmeter MS 1000-300 – measuring range 200 to 50,000 LUX) exemplarily on a 1 mm thick PC.

The aforesaid information and our application technological advice in words, written and through tries, are carried out to the best of one's knowledge. This information is non-binding advice even in regards to property rights of third party. Our advice does not release you from your responsibility to proof self dependently our current advices - especially our safety data sheets and technical information - and to test our products regarding to applicability for the intended system and use. Application, use and handling of our products - produced based on our application technological advice - take place out of our control and therefore you are solely responsible. The sales of our products is effected at our current general sales and delivery conditions.