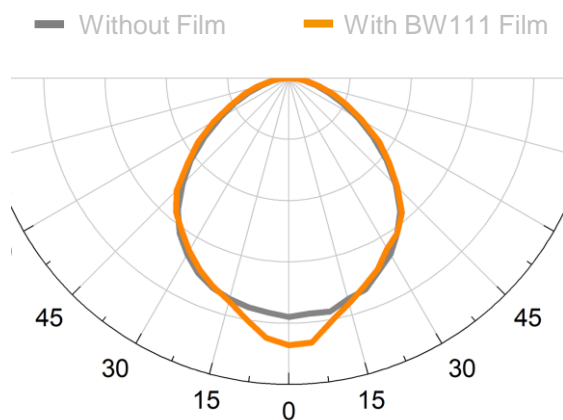


BASF PrismFilm

Technical Data Sheet BASF PrismFilm BW111

PrismFilm BW111 is an optical film with invisible patterns. The prism structure creates smooth narrow-wide light distributions. Contact us for more information and support in creating specific light distributions.



Light distribution for application of BW111 in a typical luminaire configuration. Optical performance data refers to typical values; they vary greatly depending on luminaire design.

* determined for comparable product

Optical Data

Material Transmission * >90 %
(380 – 780 nm)

Material Data

Material	Micro-structured PET film	
Dimensions	Standard Width	240 mm (customizable)
	Thickness	0.15 – 0.20 mm
	Length	570 running meter/ seamless
Average Linear Thermal Expansion Coefficient *	Machine Direction	22
	Range of 60 to 80 °C ($\mu\text{m}^*\text{m}^{-1}*\text{°C}^{-1}$)	Traverse Direction
UV Stability * Color change after 0.34 kWh/m ² (@ 340 nm) Irradiated on structured side of product Black Panel Temperature during illumination @60°C	Δa	< 0.5
	Δb	< 1.0
	ΔY_i	< 2.0
DIN EN ISO 4892-1 Okt16 DIN EN ISO 4892-3 Okt16		
Bend Radius * [mm] aging with 0.34 kWh/m ² @ 340 nm DIN EN ISO 1519 DE	Before aging	< 10
	After aging	< 10
Temperature Range	-40 °C up to +80 °C	
Glow Wire Flammability * IEC 60695 -2-12	650 °C	

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Product Information

- Rollable, flexible film solution
- Pattern invisible to the eye for highest aesthetics
- Customizable in length, width and thickness
- High quality lamination on glass, PMMA or PC possible

Notes



Application

Structured side facing towards light source



Cutting

Material can be cut to width and length by scissor or knife

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