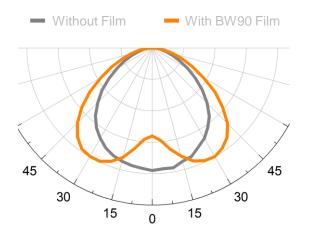


# **BASF BatWing**

Double sided angle bending of luminous intensity.

# Technical Data Sheet BASF BatWing BW90

Design easy and efficient batwing light distributions with BASF BatWing – an endless and highly aesthetical optical film. The invisible pattern creates characteristic double asymmetric light distribution for applications where double-sided illumination along the luminaire axis is needed. BASF BatWing is suitable for indirect or direct flat and homogenous lighting designs.



Optical performance data refers to typical values; they vary greatly depending on luminaire design.

**Optical Data** 

Material Transmission \* (380 – 780 nm)

>90 %

### **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 (µm*m <sup>-1*0</sup> C <sup>-1</sup> )	Traverse Direction	16
UV Stability * Color change after 0.34 kWh/m² (@ 340 nm) Irradiated on structured side of product Black Panel Temperature during illumination @60°C  DIN EN ISO 4892-1 Okt16 DIN EN ISO 4892-3 Okt16	Δа	< 0.5
	Δb	< 1.0
	ΔΥί	< 2.0
Bend Radius * [mm] aging with 0.34 kWh/m² @ 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	

\* determined for comparable product

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our products, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the products for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights etc. given herein are for general information purpose only; they may change without prior information and do not constitute the agreed contractual quality of the products (product specification). It is the responsibility of the recipient of our products to ensure that any proprietary rights and existing laws and legislation are observed.

BASF Coatings GmbH Glasuritstrasse 1 48165 Münster Tel.: +49 2501 14-0 Fax: +49 2501 14-3373



# **BASF BatWing**

Double sided angle bending of luminous intensity.

# **Technical Data Sheet**

BASF BatWing BW90

## **Product Information**

- Rollable, flexible film solution with double asymmetric light control effect
- Indirect or direct flat and homogenous illumination
- 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

# **Contact Information**

#### Industriebüro Göbel GmbH

Wilberhofener Straße 2, 51570 Windeck, Deutschland

Tel.: +49 - 2292 95486 -0
Email: info@beleuchtungsfolien.de
HP: www.beleuchtungsfolien.de

#### www.basf.com/lightingsolutions



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