

BASF NovaFlex Sustainable-GlareControl

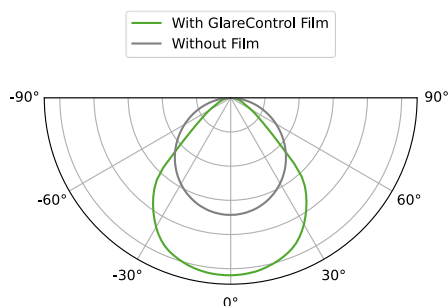
More controlled light less glare.

Technical Data Sheet

BASF Sustainable-GlareControl Film S-GC-355

The **BASF Sustainable-GlareControl** film combines glare reduction with high aesthetic appeal in a seamless product. Its innovative, invisible patterns effectively reduce glare at angles above 65° while increasing light intensity in lower angles. This improves efficiency and lowers UGR (Unified Glare Rating) values for your luminaires, making it ideal for office lighting.

Sustainability: In addition to its technical advantages, the **BASF Sustainable-GlareControl** film is produced with sustainability in mind, supporting eco-friendly practices and reducing the product's carbon footprint, making it a responsible choice for modern lighting solutions.



Optical performance data refers to typical values; they vary greatly depending on luminaire design. Results shown were measured using a test fixture with Lambertian light source in a goniophotometer.



⁽¹⁾ Product carbon footprint data is based on assumptions and approximations valid at the time of data collection. For more information, please visit <https://www.basf.com/global/en/who-we-are/sustainability/we-drive-sustainable-solutions/quantifying-sustainability/product-carbon-footprint.html>.

⁽²⁾ CIE117, 4H 8H (20%, 50%, 70%) (580 mm x 580 mm luminous surface, Lambertian-like input light source)

⁽³⁾ measured for light at 0° angle of incidence in typical application direction

⁽⁴⁾ patent granted

⁽⁵⁾ for substrate

Sustainability Data

Product Carbon Footprint ~ 40% less CO₂ emissions ⁽¹⁾
compare to GlareControl GC-355

Material Micro-structured coating ⁽⁴⁾ on
80% post-consumer recycled PET

Optical Data

Glarefree Luminous Flux > 7000 lm ⁽²⁾

Transmission > 90 % ⁽³⁾
380 – 780 nm

Material Data

Dimensions	Width	630 mm (customizable)
	Thickness	0.355 ± 0.02 mm
	Length	Seamless up to 250 meters

Average Linear Thermal Expansion Coefficient Range of 60 to 80 °C	Machine Direction	22 µm/(m*K) ⁽⁵⁾
	Traverse Direction	16 µm/(m*K) ⁽⁵⁾

Heat Shrinkage < 1 %
168 h, 90 °C

UV Stability Color change after 0.34 kWh/m ² @ 340 nm Irradiated on structured side of product 60 °C Black Panel Temp. during illumination DIN EN ISO 4892-1 Okt16	Δa	< 0.5
	Δb	< 1.0
	ΔYi	< 2.0

Bend Radius DIN EN ISO 1519 DE Aging by climate cycle test (- 40 to + 80 °C, 30 to 80 % r.H.)	Before aging	< 20 mm
	After aging	< 20 mm

Temperature Range - 40 °C to + 80 °C

Glow Wire Flammability 650 °C
IEC 60695-2-11

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Product Information

- Infinite lengths – Design for any size, without a single seam
- Rollable, flexible diffuser film solution
- Smoother appearance – Structures invisible to the eye for highest aesthetics
- Customizable in length, width and thickness to meet your individual needs
- High quality lamination on glass, PMMA or PC possible

Notes

Sustainability



Biomass Balance Approach:

Reduce CO₂ emissions and save fossil resources

Application



Structured side facing away from light source

Cutting



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

Contact Information

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