

Technical Information

PLEXIGLAS® FILM 0F085CR**PRODUCT DATA SHEET****PRODUCT**

PLEXIGLAS® Film 0F085CR is a clear acrylic film for outdoor applications with one side structured surface.

Due to its excellent performance under long-term weathering and UV light exposure, PLEXIGLAS® Film 0F085CR does not present color change or yellowing.

Therefore, it provides an enhanced protection of plastic substrates from degradation caused by UV wavelengths.

APPLICATION

PLEXIGLAS® Film 0F085CR is suitable as top layer for high UV and weathering protection of fiber reinforced polyester sheets.

Due to its one side structured surface PLEXIGLAS® 0F085CR scatters the light but still has a very good light transmission.

PROCESSING

PLEXIGLAS® Film 0F085CR shows very good adhesion to fiber-reinforced polyesters.

The film can be directly coated on liquid styrene/MMA resin before curing..

SALES RANGE

PLEXIGLAS® Film 0F085CR is delivered in standard rolls of 150µm thickness and 1080mm width.

Tailor made rolls can be produced, under prior commercial agreement.

TECHNICAL DATA

Properties	Test method	Unit	Value
Optical			
Luminous transmission (D65)		%	89
L* (in transmission, D65)			95.7
a* (in transmission, D65)			-0.3
b* (in transmission, D65)	DIN 5033 (8°/di), ISO 17223, ISO 11664		1
Color coordinates x (in transmission, D65)			0.315
Color coordinates y (in transmission, D65)			0.333
Yellowness Index			< 2.0
UV transmittance (280 – 380 nm)	DIN EN 410	%	< 0.1
Miscellaneous			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1	h	10000, No visible change

° = registered trademark PLEXIGLAS is a registered trademark of Evonik Röhm GmbH, Darmstadt, Germany.
Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

Evonik Industries is a worldwide manufacturer of PMMA products sold under the PLEXIGLAS® trademark on the European, Asian, African and Australian continents and under the ACRYLITE® trademark in the Americas.

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EVONIK PERFORMANCE MATERIALS GMBH
Acrylic Products
Riedbahnstr. 70
64331 Weiterstadt
Germany

films@evonik.com
www.plexiglas.net
www.evonik.com

Ref. Nr. 239-70