



PLEXIGLAS®
Film

PLEXIGLAS® Film OF008

Product

PLEXIGLAS® Film OF008 is a transparent, glossy and weather resistant acrylic film for outdoor applications.

Due to its very good performance under long term weathering and UV light exposure, PLEXIGLAS® Film OF008 does not present color change or yellowing.

Therefore it provides an excellent protection for plastic substrates from degradation caused by UV wave length.

Application

PLEXIGLAS® Film OF008 is suitable as a top layer for UV and weathering protection of polymeric substrates, especially for PVC decoration films.

Processing

PLEXIGLAS® Film OF008 can be laminated onto polymeric substrates such as films or extruded sheets based on PVC, ABS, ASA and PC by in-line and roll-to-roll heat lamination processes.

PLEXIGLAS® Film OF008 can also be embossed with different structures on its surface.

PLEXIGLAS® Film OF008 displays a very good printing behavior in a wide variety of printing processes.

Sales range

PLEXIGLAS® Film OF008 is delivered in standard rolls of 53 µm thickness and 1430 mm width.

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



Technical data			
Properties	Test method	Unit	Value
Optical			
Luminous transmittance (D65/10°)	DIN EN ISO 11664	%	92
UV transmittance (280 – 380 nm)	DIN EN 410	%	< 1
Refractive Index	DIN EN ISO 489	%	1.49
Mechanical			
Tensile yield stress (σ_y)	DIN EN ISO 527-3	MPa	35
Yield strain (ϵ_y)	DIN EN ISO 527-3	%	6
Nominal strain at break (ϵ_{tB})	DIN EN ISO 527-3	%	> 50
Thermal			
Glass transition temperature Tg (DSC)	DIN EN ISO 11357	° C	88
Miscellaneous			
Accelerated weathering resistance	DIN EN ISO 4892-2, method A, cycle 1	h	8000 No visible change
Density	DIN EN ISO 1183	g/cm ³	1.13
Surface tension	DIN ISO 8296	mN/m	50

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® = registered trademark

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