

## PLEXIGLAS® Film 0F063

### Product Data Sheet

#### Product

PLEXIGLAS® Film 0F063 is a very high weather resistant and transparent acrylic film for graphic printings and lamination systems.

Due to its excellent performance under weathering and UV light exposure, PLEXIGLAS® Film 0F063 does not present color change or yellowing. Therefore it provides high protection of polymeric substrates from degradation caused by UV radiation.

Its very smooth surface leads the film to have a good optical quality surface.

#### Application

PLEXIGLAS® Film 0F063 is suitable as top layer for high UV and weathering protection of different polymeric substrates including ones based on Fiber Reinforced Polyester Resin.

PLEXIGLAS® Film 0F063 can be used to be printed on as good quality film decoration and then laminated on different polymeric films or sheets. Laminated decoration films based on PLEXIGLAS® are suitable for a wide range of molding processes such as thermoforming and insert molding.

#### Processing

PLEXIGLAS® Film 0F063 can be laminated onto polymeric substrates such as films or extruded sheets based on PVC, ABS, PMMA and ASA by in-line or roll-to-roll heat lamination.

On Reinforced Polyester substrates, PLEXIGLAS® Film 0F063 can be laminated by continuous in-line lamination process.

PLEXIGLAS® Film 0F063 has good printability behavior in all printing technologies such as gravure, flexography, digital and screen printing. In most cases any pre-treatment or primers are not required.

#### Sales range

PLEXIGLAS® Film 0F063 is delivered in standard rolls of 125µm thickness, 1270mm or 1500mm width, and 1000Lm length.

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

## Technical data

Properties	Test method	Unit	Value
<b>Optical</b>			
Luminous transmittance $\tau_{D65}$	ISO 13468-2	%	92
UV transmittance (280 – 380 nm)	DIN EN 410:2011	%	< 1
Refractive Index	ISO 489	%	1,49
<b>Mechanical</b>			
Tensile stress at yield ( $\sigma_y$ )	ISO 527-3	MPa	62
Yield strain ( $\epsilon_y$ )	ISO 527-3	%	7
Nominal strain at break ( $\epsilon_B$ )	ISO 527-3	%	21
<b>Thermal</b>			
Glass transition temperature $T_g$ (DSC)	ISO 11357	°C	114
<b>Miscellaneous</b>			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	8000 No visible changes
Specific gravity	DIN 53479	g/cm <sup>3</sup>	1,17
Surface tension	DIN 53364	mN/m	50

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### Evonik Performance Materials GmbH

Acrylic Polymers

Kirschenallee, 64293 Darmstadt, Germany

[films@evonik.com](mailto:films@evonik.com) [www.plexiglas.net](http://www.plexiglas.net) [www.evonik.com](http://www.evonik.com)

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