

# PLEXIGLAS® Film 0F075

## Product Data Sheet

### Product

PLEXIGLAS® Film Clear 0F075 is a clear transparent coextruded lamination film based on Polymethylmethacrylate with Polybutylacrylate elastomer. The film shows very good performance for extended outdoor weathering. It prevents substrates from deterioration by ultraviolet rays.

The special feature of PLEXIGLAS® Film Clear 0F075 is the active covalent bonding to thermoset materials, which provides long lasting durability and capstock film adhesion also under high temperature and high moisture conditions.

### Application

PLEXIGLAS® Film Clear 0F075 is suitable for UV-protection and surface finishing of thermoset materials (e.g. based on melaminic or phenolic chemistry) like High Pressure Laminates (“HPL”).

### Processing

The film performs well in every heat lamination process. Preheating is not necessary.

When cutting PLEXIGLAS® Film Clear 0F075-coated laminates, the film layer does not negatively influence the cutting behaviour of the laminate.

Additionally, the film material can be used in all conventional printing processes, like gravure-, flexo- and silk screen printing.

### Sales range

PLEXIGLAS® Film Clear 0F075 is delivered on rolls, in a thickness of 90 µm and a width of 1880 mm.

Other widths are available on request.

## 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	%	< 0,5
Refractive Index	ISO 489	%	1,49
Haze	ASTM D1003	%	1,7
<b>Mechanical</b>			
Tensile stress at yield ( $\sigma_y$ )	ISO 527-3	MPa	56
Yield strain ( $\epsilon_y$ )	ISO 527-3	%	9,5
Nominal strain at break ( $\epsilon_B$ )	ISO 527-3	%	> 25
<b>Thermal</b>			
Glass transition temperature Tg (DSC)	ISO 11357	° C	107
<b>Miscellaneous</b>			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	8000 No visible change
Specific gravity	DIN 53479	g/cm <sup>3</sup>	1,16
Surface tension	DIN 53364	mN/m	50

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Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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