



PLEXIGLAS® Film white WF011

Product

PLEXIGLAS® Film WF011 is an ultra-destructible, white acrylic film with a matt surface on one side for security labels.

The film is acrylic based and therefore it contains no plasticizers. It is completely halogen-free and meets the requirements of Commission Regulation (EU) No 10/2011.

Thanks to its proprietary acrylic polymer formulation, the film displays a defined very low elongation at break and very high crack propagation. These properties provide a unique ultra-destructibility safety feature while maintaining its long shelf life.

Due to its excellent performance under long-term weathering and UV light exposure, PLEXIGLAS® Film WF011 does not present color change or yellowing.

Application

PLEXIGLAS® Film WF011 is used as a single face layer in ultra-destructible security labels without the need for an overlay film.

Processing

PLEXIGLAS® Film WF011 displays good printability behavior in all printing technologies such as gravure, flexography and digital. In most cases, no pre-treatment or primers are required.

The film can be directly coated with pressure sensitive adhesives (PSA), hot-melts, solvent or water based adhesives or indirectly by transfer coating.

PLEXIGLAS® Film WF011 performs very well in roll-to-roll processing technologies such as printing, cutting and PSA/Liner lamination.

The film can be easily cut to size or die cut.

Sales range

PLEXIGLAS® Film White WF011 is delivered in standard rolls of 50 µm thickness and 1020 mm width. The film is available with and without masking film on the matt side.

Custom-made rolls can be produced under prior commercial agreement.

Technical data			
Properties	Test method	Unit	Value
Optical			
Luminous reflectance (D65/10°)	DIN EN ISO 11664	%	89
L* (in reflection, D65/10°)			95,7
a* (in reflection, D65/10°)			-1,0
b* (in reflection, D65/10°)			-0,6
Color coordinate x (in reflection, D65/10°)			0,312
Color coordinate y (in reflection, D65/10°)			0,331
UV transmittance (280 – 380 nm)	DIN EN 410	%	0
Gloss (20°/60°/85°) Top side	DIN EN ISO 2813	GU	2 / 6 / 36
Mechanical			
Tensile yield stress (σ_y)	DIN EN ISO 527-3	MPa	No yield
Nominal tensile strain at break (ϵ_{tB})	DIN EN ISO 527-3	%	< 9
Miscellaneous			
Accelerated weathering resistance	DIN EN ISO 4892-2, method A, cycle 1	h	10000, No visible change
Mass per unit area (without masking film)	DIN EN ISO 536	g/m ²	69 calculated
Surface tension	DIN ISO 8296	mN/m	42
Requirement of Commission Regulation (EU) No 10/2011	+		

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® = registered trademark
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Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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