



## EUROPLEX® Film white WF012

### Product

EUROPLEX® Film white WF012 is a white, destructible, acrylic-based film with a matt surface on one side. It exhibits low shrinkage at high temperatures. The film does not contain any plasticizers and it is halogen-free.

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

### Application

EUROPLEX® Film white WF012 is used as a single-face layer in destructible security labels where high temperature resistance and dimensional stability are needed. An additional overlay is not required.

### Processing

EUROPLEX® Film white WF012 offers excellent printability and can be printed on using all printing technologies such as gravure, flexography and digital. In most cases, no pre-treatment or primers are needed.

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

EUROPLEX® Film white WF012 performs excellent in roll-to-roll processing technologies such as printing, cutting and PSA/Liner lamination.

The film can be easily cut to size, die cut and laser cut.

### Sales range

EUROPLEX® Film white WF012 is delivered in standard rolls of 50 µm thickness, 1020 mm width and in lengths of up to 6000 m. The film is available with a protective masking film on the matt side upon request.

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

Technical data			
Properties	Test method	Unit	Value
Thickness	–	µm	50
Optical			
Luminous reflectance (D65/10°) – top side	DIN EN ISO 11664	%	88,7
L* (in reflection, D65/10°) – top side	DIN EN ISO 11664		95,48
a* (in reflection, D65/10°) – top side	DIN EN ISO 11664		-1,07
b* (in reflection, D65/10°) – top side	DIN EN ISO 11664		-0,66

Technical data			
Properties	Test method	Unit	Value
<b>Optical</b>			
Color coordinate x (in reflection, D65/10°)	DIN EN ISO 11664		0,3112
Color coordinate y (in reflection, D65/10°)	DIN EN ISO 11664		0,3305
Gloss (60°) – top side	DIN EN ISO 2813	GU	7–10
Gloss (60°) – back side	DIN EN ISO 2813	GU	45–50
<b>Mechanical</b>			
Tensile yield stress (MD) $\sigma_y$	DIN EN ISO 527-3	MPa	54
Tensile yield stress (TD) $\sigma_y$	DIN EN ISO 527-3	MPa	38
Nominal Tensile strain at break (MD) $\epsilon_b$	DIN EN ISO 527-3	%	< 10
Nominal Tensile strain at break (TD) $\epsilon_b$	DIN EN ISO 527-3	%	< 5
<b>Thermal</b>			
Heat Shrinkage (TD/MD)	120 °C, 30 min.	%	< 0,5
<b>Miscellaneous</b>			
Mass per unit area	DIN EN ISO 536	g/m <sup>2</sup>	90 calculated
Surface tension – top/back side	DIN ISO 8296	mN/m	36–38

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[www.roehm.com](http://www.roehm.com)

® = registered trademark

EUROPLEX is a registered trademark in EU and a filed trademark in US of Röhm GmbH, Darmstadt, Germany.  
Certified to DIN EN ISO 9001 (Quality) and DIN EN ISO 14001 (Environment)

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