

# ACRYLITE<sup>®</sup> Film White WF006

## Product Data Sheet

### Product

ACRYLITE<sup>®</sup> Film WF006 is a weather resistant glossy white acrylic film for highly destructible labels and tapes.

The film is 100% acrylic based and therefore it contains no plasticizer and it's a completely PVC-free polymer.

Thanks to its proprietary acrylic polymer formulation, the film displays a defined very low elongation at break and high crack propagation.

Due to its excellent performance under long term weathering and UV light exposure, ACRYLITE<sup>®</sup> Film WF006 does not present color change or yellowing.

Because of its glossy and smooth surface, the film will have an excellent graphic quality surface.

### Application

ACRYLITE<sup>®</sup> Film WF006 is used as a single face layer in high UV and weathering resistant high destructible labels and tapes.

### Processing

ACRYLITE<sup>®</sup> Film WF006 displays good printability behavior in all printing technologies such as gravure, flexography, and digital.

ACRYLITE<sup>®</sup> Film WF006 can be coated with pressure sensitive adhesives (PSA), hot-melt adhesive, or solvent based adhesives.

The film also displays a very good behavior on roll-to-roll processing technologies such as printing, cutting, and PSA lamination.

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

### Sales range

ACRYLITE<sup>®</sup> Film WF006 is delivered in standard rolls of 50µm thickness and 1270mm width. The film is protected by a cling blue PE masking film in one side.

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

## Technical data

Properties	Test method	Unit	Value
<b>Optical</b>			
Color coordinate x	DIN 5033		0,3557
Color coordinate y	DIN 5033		0,3659
UV transmittance (280 - 380 nm)	DIN EN 410:2011	%	0
<b>Mechanical</b>			
Tensile stress at yield ( $\sigma_y$ )	ISO 527-3	MPa	48,7
Yield strain ( $\epsilon_y$ )	ISO 527-3	%	6
Nominal strain at break ( $\epsilon_b$ )	ISO 527-3	%	7,4
<b>Thermal</b>			
Glass transition temperature T <sub>g</sub> (DSC)	ISO 11357	°C	105
<b>Miscellaneous</b>			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	10000 (No visible change)
Specific gravity	DIN 53479	g/cm <sup>3</sup>	1,28
Surface tension	DIN 53364	mN/m	50

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Printed in the USA.

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