

# ACRYLITE® Film White WF007

## Product Data Sheet

### Product

ACRYLITE® Film WF007 is a high weather resistant and glossy white acrylic film for destructible labels and tapes.

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

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

Due to its excellent performance under long term weathering and UV light exposure, ACRYLITE® Film WF007 does not present color change or yellowing.

Its glossy and very smooth surface leads the film to have an excellent graphic quality surface.

### Application

ACRYLITE® Film WF007 is used as a single face layer in high UV and weathering resistant destructible labels and tapes.

### Processing

ACRYLITE® Film white WF007 displays good printability behavior in all printing technologies such as gravure, flexography and digital.

ACRYLITE® Film WF007 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® Film WF007 is delivered in standard rolls of 50µm thickness and 1270mm width.

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		0,3584
Color coordinate y	DIN 5033		0,3699
UV transmittance (280 - 380 nm)	DIN EN 410:2011	%	0
<b>Mechanical</b>			
Tensile stress at yield ( $\sigma_y$ )	ISO 527-3	MPa	41
Yield strain ( $\epsilon_y$ )	ISO 527-3	%	5,7
Nominal strain at break ( $\epsilon_b$ )	ISO 527-3	%	24,6
<b>Thermal</b>			
Glass transition temperature T <sub>g</sub> (DSC)	ISO 11357	°C	101
<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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