

ACRYLITE® Film White WF006

Product Data Sheet

Product

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

Processing

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

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

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