

# ACRYLITE<sup>®</sup> Film 18651/58/1 (Preliminary)

## Product Data Sheet

### Product

ACRYLITE<sup>®</sup> Film 18651/58/1 is a light matt acrylic film for ultra-destructible labels and tapes.

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

Its proprietary acrylic polymer formulation, the film displays a defined low elongation at break and high crack propagation which provides an unique ultra-destructibility safety feature.

ACRYLITE<sup>®</sup> Film 18651/58/1 does not present color change or yellowing over the time.

### Application

ACRYLITE<sup>®</sup> Film 18651/58/1 is used as a single face layer or clear overlay in laminate systems for ultra-destructible safety labels, tapes, cards, and documents.

### Processing

ACRYLITE<sup>®</sup> Film 18651/58/1 displays good printability behavior in all printing technologies such as gravure, flexography and digital.

ACRYLITE<sup>®</sup> Film 18651/58/1 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 18651/58/1 is delivered in standard rolls of 50µm thickness and widths in between 1000 and 1270mm width.

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

## Technical data

Properties	Test method	Unit	Value
<b>Optical</b>			
Luminous transmittance $\cdot$ D65	ISO 13468-2 %	%	91
Refractive Index	ISO 489	%	1,49
Gloss (60°)	DIN 67530		44
<b>Mechanical</b>			
Tensile stress at yield ( $\sigma_y$ )	ISO 527-3	MPa	72
Nominal strain at break ( $\epsilon_b$ )	ISO 527-3	%	11,5
<b>Thermal</b>			
Glass transition temperature Tg (DSC)	ISO 11357	° C	95
<b>Miscellaneous</b>			
Specific gravity	DIN 53479	g/cm <sup>3</sup>	1,13
Surface tension	DIN 53364	mN/m	48

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