

ACRYLITE® Film 18651/45/2 (Preliminary)

Product Data Sheet

Product

ACRYLITE® Film 18651/45/2 is a glossy transparent acrylic film for ultra-destructible labels and tapes.

The film is 100% acrylic based and therefore it contains no plasticizer and is a completely PVC, 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® Film 18651/45/2 does not present color change or yellowing over the time.

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

Application

ACRYLITE® Film 18651/45/2 is used as a single face layer or clear overlay in laminate systems for ultra-destructible safety labels, tapes, cards, and documents.

Processing

ACRYLITE® Film 18651/45/2 displays good printability behavior in all printing technologies such as gravure, flexography and digital.

ACRYLITE® Film 18651/45/2 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 18651/45/2 is delivered in standard rolls of 50µm thickness and 1050 or 1270mm width.

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

Technical data

Properties	Test method	Unit	Value
Optical			
Luminous transmittance ·D65	ISO 13468-2 %	%	92
Refractive Index	ISO 489	%	1,49
Mechanical			
Tensile stress at yield (σ_y)	ISO 527-3	MPa	59,5
Nominal strain at break (ϵ_B)	ISO 527-3	%	4,5
Thermal			
Glass transition temperature Tg (DSC)	ISO 11357	° C	112
Miscellaneous			
Specific gravity	DIN 53479	g/cm ³	1,17
Surface tension	DIN 53364	mN/m	50

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