Technical information

ACRYLITE® Film White WF002

Product Data Sheet

Product

ACRYLITE® Film WF002 is a high weather resistant, glossy and white acrylic film for graphic printings and high quality laminations.

Due to its excellent performance under long term weathering and UV light exposure, ACRYLITE® Film WF002 does not present color change or yellowing.

Its glossy and very smooth surface leads the film to provide an excellent printing quality.

Application

ACRYLITE® Film WF002 can be used to be printed on as high quality film decoration and then laminated on different polymeric films and sheets. Laminated decoration films protected by ACRYLITE® are suitable for a wide range of molding processes such as thermoforming and insert molding.

ACRYLITE® Film WF002 can be used as a single face layer in high UV and weathering resistant durable labels and tapes without the need for an overlay film.

Processing

ACRYLITE® Film WF002 displays good printability behavior in all printing technologies such as gravure, flexography and digital. In most cases any pre-treatment or primers are not required.

ACRYLITE® Film WF002 can be laminated onto polymeric substrates such as films or extruded sheets based on PVC, PC, ABS, PMMA and ASA by in-line or roll-to-roll heat lamination.

High quality laminates in between ACRYLITE® Film WF002 and other polymeric substrates such as PET, PC, PP, PE and PVC can be achieved with pressure sensitive adhesives (PSA) or solvent based adhesives.

The film 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 WF002 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
Optical			
Color coordinate x	DIN 5033		0,3652
Color coordinate y	DIN 5033		0,3670
Mechanical			
Tensile stress at yield (σ_Y)	ISO 527-3	MPa	33
Yield strain (ϵ_Y)	ISO 527-3	%	5
Nominal strain at break (ε_B)	ISO 527-3	%	> 50
Thermal			
Glass transition temperature Tg (DSC)	ISO 11357	°C	95
Miscellaneous			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	10000 No visible change
Specific gravity	DIN 53479	g/cm³	1,28
Surface tension	DIN 53364	mN/m	50