

ACRYLITE® Film 0F011

Product Data Sheet

Product

ACRYLITE® Film 0F011 is a transparent, glossy and high weather resistant acrylic film for outdoor applications.

Due to its superior performance under long term weathering and UV light exposure, ACRYLITE® Film 0F011 does not present color change or yellowing.

Therefore it provides an enhanced protection of plastic substrates from degradation caused by UV wave lengths.

Application

ACRYLITE® Film 0F011 is suitable as top layer for high UV and weathering protection of polymeric substrates, especially for PVC decoration films.

Processing

ACRYLITE® Film 0F011 can be laminated onto polymeric substrates such as films or extruded sheets based on PVC, ABS, ASA and PC by in-line or roll-to-roll heat lamination processes.

ACRYLITE® Film 0F011 can also be embossed with different structures on its surface.

ACRYLITE® Film 0F011 displays a very good printing behavior in a wide variety of printing processes.

Sales range

ACRYLITE® Film 0F011 is delivered in standard rolls of 53µm thickness, 1380mm width, and 3050m length.

Tailor made rolls can be produced under prior commercial agreement.

Technical data

Properties	Test method	Unit	Value
Optical			
Luminous transmittance τ_{D65}	ISO 13468-2	%	92
UV transmittance (280 - 380 nm)	DIN EN 410:2011	%	< 1
Refractive Index	ISO 489	%	1,49
Mechanical			
Tensile stress at yield (σ_y)	ISO 527-3	MPa	35
Yield strain (ϵ_y)	ISO 527-3	%	6
Nominal strain at break (ϵ_B)	ISO 527-3	%	> 50
Thermal			
Glass transition temperature T_g (DSC)	ISO 11357	° C	94
Miscellaneous			
Accelerated weathering resistance	ISO 4892-2 method A, cycle 1, 65% RH	h	12000 No visible change
Specific gravity	DIN 53479	g/cm ³	1,13
Surface tension	DIN 53364	mN/m	50

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