ACRYLITE®

ACRYLITE®
Film

ACRYLITE® Film 0F011

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 53 µm thickness, 1380 mm width, and 3050 m length.

Custom-made rolls can be produced under prior commercial agreement.

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Technical data			
Properties	**Test method**	**Unit**	**Value**
Optical			
Luminous transmittance (D65/10°)	DIN EN ISO 11664	%	92
UV transmittance (280 – 380 nm)	DIN EN 410	%	< 1
Refractive Index	DIN EN ISO 489	%	1.49
Mechanical			
Tensile yield stress (σ_y)	DIN EN ISO 527-3	MPa	35
Yield strain (ε_y)	DIN EN ISO 527-3	%	6
Nominal strain at break (ε_{tB})	DIN EN ISO 527-3	%	> 50
Thermal			
Glass transition temperature Tg (DSC)	DIN EN ISO 11357	°C	94
Miscellaneous			
Accelerated weathering resistance	DIN EN ISO 4892-2, method A, cycle 1	h	12000 No visible change
Density	DIN EN ISO 1183	g/cm³	1.13
Surface tension	DIN ISO 8296	mN/m	42

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