ACRYLITE®

ACRYLITE®
Film

ACRYLITE® Film matte 0F095

Product

ACRYLITE® Film matte 0F095 is a very high UV and weather resistant acrylic film with both side matte surfaces for graphic printings and high quality laminations.

The film maintains high light transmission properties even though it displays a matte surface. Therefore it is suitable to create matte finishing effects even after printing and lamination.

The matte finish provides an anti-blocking effect in printing processes and light scattering can be achieved when used in illumination applications.

The irreversible anti-glare surface of ACRYLITE® Film matte 0F095 is not affected by thermoforming or deep drawing.

Application

ACRYLITE® Film matte 0F095 can be used to be printed on as high quality film decoration and then laminated on different polymeric films and sheets. Laminated decoration films based on ACRYLITE® are suitable for a wide range of molding processes such as thermoforming and insert molding.

In labels, tapes and graphic arts, ACRYLITE® Film matte 0F095 can be used as a matte single face layer or matte overlay in laminate systems for high UV and weathering protection.

Processing

ACRYLITE® Film matte 0F095 has a good printability behavior in all printing technologies such as gravure, flexography and digital. In most of the cases any pre-treatment or primers are not required.

ACRYLITE® Film matte 0F095 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 matte 0F095 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 can be cut-to-size or die cut.

Sales range

ACRYLITE® Film matte 0F095 is delivered in standard rolls of 70 µm thickness, 1420 mm width and 2050 mm length.

Tailor 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	%	90
UV transmittance (280 – 380 nm)	DIN EN 410	%	< 1
Gloss (60°)	DIN 67530		19
Mechanical			
Tensile yield stress (σ_y)	DIN EN ISO 527-3	MPa	32
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	91
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

The values result from individual measurements and cannot be regarded as a specification.

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