ACRYLITE® Film 0F016

PMMA Film

Evonik Cyro LLC

Message:

ACRYLITE® Film 0F016 is a high weather resistant, glossy and transparent acrylic film for graphic printings and high quality laminations.
Due to its excellent performance under weathering and UV light exposure, ACRYLITE® Film 0F016 does not present color change or yellowing. Therefore it provides high protection of laminating systems from degradation caused by UV radiation.
Its glossy and very smooth surface leads the film to have an excellent optical quality surface.
Application
ACRYLITE® Film 0F016 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 and tapes, ACRYLITE® Film 0F016 can be used as single face layer or clear overlay in laminate systems for high UV and weathering protection.
High gloss and quality finishing is achieved.
Due to its good optical property and lamination with pressure sensitive adhesive (PSA), ACRYLITE® Film 0F016 is recommended for traffic control signs under long term outdoor application.
Due to its very good optical properties, ACRYLITE® Film 0F016 can be used as overlay in high quality ID Cards.

General Information			
Features	Excellent Printability Good UV Resistance Good Weather Resistance High Gloss Opticals		
Uses	Film Labels Laminates Tape		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Laminating		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.15	g/cm³	DIN 53479
Surface Tension	50	mN/m	DIN 53364
UV Transmittance - 280 - 380 nm	< 1.0	%	DIN EN 410
Accelerated Weathering Resistance - method A, cycle 1, 65% RH [1]	No Visible Change		ISO 4892-2
Films	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Yield)	47.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
Yield	6.0	%	
Break	> 25	%	
Thermal	**Nominal Value**	**Unit**	**Test Method**

Glass Transition Temperature	101	°C	ISO 11357-2
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ISO 489
Transmittance [2]	92.0	%	ISO 13468-2
NOTE			
1.	8,000 hr		
2.	D65		

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