ACRYLITE® Film 0F072

PMMA Film

Evonik Cyro LLC

Message:

ACRYLITE® Film 0F072 is a high weather resistant, glossy and transparent acrylic film for graphic printing and high quality laminations.
Due to its excellent performance under weathering and UV light exposure, ACRYLITE® Film 0F072 does not present color change or yellowing. Therefore, it provides high protection for laminating systems from degradation caused by UV radiation.
Its glossy and very smooth surface provides the film with an excellent optical quality surface.
Application
ACRYLITE® Film 0F072 can be printed on as well as 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. ACRYLITE® Film 0F072 can also be used as a high quality film decoration.
In labels and tapes, ACRYLITE® Film 0F072 can be used as single face layer or clear overlay in laminate systems for high UV and weathering protection. When this happens, high gloss and quality finishing is achieved.
Due to its good optical property and lamination with pressure sensitive adhesives (PSA), ACRYLITE® Film 0F072 is recommended for traffic control signs under long term outdoor application.
ACRYLITE® Film 0F072 can be used as overlay in high quality ID Cards because of its superior optical properties.

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	1.16	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)	56.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
Yield	6.5	%	
Break	40	%	

Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	107	°C	ISO 11357-2
Optical	**Nominal Value**	**Unit**	**Test Method**
Refractive Index	1.490		ISO 489
Transmittance [2]	92.0	%	ISO 13468-2
Haze	2.6	%	ASTM D1003
NOTE			
1.	8,000 hr		
2.	D65		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

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