

ACRYLITE® Film 0F063

PMMA Film
Evonik Cyro LLC

Message:

ACRYLITE® Film 0F063 is a very high weather resistant and transparent acrylic film for graphic printings and lamination systems. Due to its excellent performance under weathering and UV light exposure, ACRYLITE® Film 0F063 does not present color change or yellowing. Therefore it provides high protection of polymeric substrates from degradation caused by UV radiation. Its very smooth surface leads the film to have a good optical quality surface.

Application
ACRYLITE® Film 0F063 is suitable as top layer for high UV and weathering protection of different polymeric substrates including ones based on Fiber Reinforced Polyester Resin.
ACRYLITE® Film 0F063 can be used to be printed on as good quality film decoration and then laminated on different polymeric films or sheets. Laminated decoration films based on ACRYLITE® are suitable for a wide range of molding processes such as thermoforming and insert molding.

General Information			
Features	Excellent Printability		
	Good UV Resistance		
	Good Weather Resistance		
	Opticals		
Uses	Film		
	Laminates		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	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)	62.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
Yield	7.0	%	
Break	21	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	114	°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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