

PLEXIGLAS® Film 0F011

PMMA Film

Evonik Industries AG

Message:

PLEXIGLAS® 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, PLEXIGLAS® 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

PLEXIGLAS® Film 0F011 is suitable as top layer for high UV and weathering protection of polymeric substrates, especially for PVC decoration films.

General Information			
Features	Excellent Printability		
	Good UV Resistance		
	Good Weather Resistance		
	High Gloss		
Uses	Laminates		
	Outdoor Applications		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	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)	35.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
Yield	6.0	%	
Break	> 50	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	94.0	°C	ISO 11357-2
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ISO 489
Transmittance	92.0	%	ISO 13468-2
NOTE			
1.	12,000 hr		

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