

EUROPLEX® Film HC 99716

Polyvinylidene Fluoride + Acrylic (PMMA)

Evonik Industries AG

Message:

EUROPLEX® Film HC 99716 is a weather resistant and transparent co-extruded PMMA and PVDF film. It is designed to bring a state of the art UV protection and surface finish for thermoset materials such as High Pressure Laminates.

This film shows excellent performance in long term outdoor weathering without the risk of color change or yellowing.

The PMMA layer is based on a tailor made PMMA resin that provides excellent chemical adhesion to melamine resin while the PVDF top layer brings a high level of weatherability as well as a very good chemical resistance, anti-soiling, anti-fouling and easy to clean properties including graffiti.

Application

Due to its very good chemical adhesion to melamine resin combined with its excellent UV and weather resistance, EUROPLEX® Film HC 99716 is suitable to be used as top layer on panels of exterior grade compact laminates.

General Information			
Features	Cleanable		
	Good Adhesion		
	Good Chemical Resistance		
	Good Surface Finish		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Laminates		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm ³	DIN 53479
Surface Tension - PVDF side	23	mN/m	DIN 53364
UV Transmittance - 280 - 380 nm	< 2.0	%	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)	42.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
Yield	6.0	%	
Break	> 50	%	
Optical	Nominal Value	Unit	Test Method
Transmittance	93.0	%	ISO 13468-2
Haze	7.3	%	ASTM D1003
NOTE			
1.	8,000 hr		

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