

EUROPLEX® Film HC 0F045

Polyvinylidene Fluoride + Acrylic (PMMA)

Evonik Industries AG

Message:

EUROPLEX® Film HC 0F045 is a weather resistant, transparent and optical quality co-extruded PMMA and PVDF film for graphic lamination systems.

This film displays excellent performance in long term outdoor weathering without experiencing color change or yellowing.

EUROPLEX® Film HC 0F045 provides high protection for other polymeric substrates against degradation caused by UV radiation.

Due to its PVDF top layer, the film displays very good chemical resistance, anti-soiling and easy to clean effect.

Application

EUROPLEX® Film HC 0F045 can be laminated as a protective top layer onto polymeric films and sheets based on PVC, ABS, PC and ASA.

Decorative films protected with EUROPLEX® on top can be thermoformed and laminated on different substrates, such as PVC profiles, or used in molding processes such as In-Molding Decoration.

In labels or Graphic Arts, EUROPLEX® Film HC 0F045 can be used as a high quality clear overlay in laminate systems for high UV and weathering protection. Chemical resistant, anti-soiling and easy to clean effects are achieved.

General Information			
Features	Cleanable		
	Good Chemical Resistance		
	Good UV Resistance		
	Good Weather Resistance		
Uses	Laminates		
Appearance	Clear/Transparent		
Forms	Film		
Processing Method	Laminating		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.19	g/cm ³	DIN 53479
Surface Tension - PVDF side	23	mN/m	DIN 53364
UV Transmittance - 280 - 380 nm	< 1.5	%	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)	38.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
Yield	6.0	%	
Break	> 50	%	
Optical	Nominal Value	Unit	Test Method
Transmittance	92.0	%	ISO 13468-2
Haze	3.0	%	ASTM D1003
NOTE			
1.	10,000 hr		

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WECHAT