

EUROPLEX® Film HC 0F046

Polyvinylidene Fluoride + Acrylic (PMMA)

Evonik Industries AG

Message:

EUROPLEX® Film HC 0F046 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 0F046 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 0F046 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 complex shapes molding processes such as In-Molding Decoration.

In labels or Graphic Arts, EUROPLEX® Film HC 0F046 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	1.20	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)	37.0	MPa	ISO 527-3
Tensile Elongation			ISO 527-3
Yield	7.0	%	
Break	> 50	%	
Optical	Nominal Value	Unit	Test Method
Transmittance	92.0	%	ISO 13468-2
Haze	3.0	%	ASTM D1003
NOTE			
1.	10,000 hr		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT