

# EXIMIUS EVA (ETHYLENE VINYL ACETATE)



Eximius EVA Films are engineered for exceptional transparency, strong adhesion, and optimal cross-linking, making them the industry standard for high-efficiency solar module encapsulation. Eximius EVA is designed to deliver superior UV resistance and weatherability and ensures long-lasting protection and consistent performance in all climates. Trusted by various solar manufacturers, our EVA solutions balance durability, clarity, and value.



UL CERTIFICATION FILE  
NO. E546308



TÜVRheinland®

## PROPERTIES



Low Thermal  
Shrinkage



Short Lamination  
Cycle Time



Superior Adhesion to  
Glass & Backsheet



PID Resistant



UV & Weather  
Stable



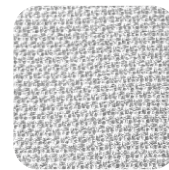
High  
Transmittance

## EMBOSSING

Orange Peel | Grid



Orange Peel



Grid

## VARIANTS

Anti-PID | UV-Cut | Low Acid | N-Type | Equilibrium Cure



## SPECIFICATIONS OF EXIMIUS EVA

Parameters		Test Standard	UoM	Values
Thickness		ASTM D 6988	µm	> 400
Width		Scale	mm	Up to 1310
Thermal Shrinkage (MD / TD)		ASTM D 1204	%	≤ 3 / ≤1.5
Elongation		ASTM D 882	%	≥ 800
Tensile Strength			Mpa	≥ 12
Peel Strength with Glass		ASTM D 903	N/cm	≥ 60
Peel Strength with Backsheet			N/cm	≥ 40
Optical Transmittance (1100 nm-380 nm)		ASTM E 424	%	≥ 90
Optical Transmittance (200 nm-380 nm)	UV-Trans Variant		%	≥ 80
	UV-Cut Variant		%	≤ 30
UV Cut-Off			nm	360 ± 5
Gel Content		Soxhlet/Oven Method	%	≥ 75
Hardness (Shore A / D)		ASTM D 2240	-	77/22
Density		ASTM D1505	g/cm <sup>3</sup>	0.947
VA Content		-	wt%	28 ± 1
Volume Resistivity		ASTM D 257	Ω-cm	≥ 1×10 <sup>15</sup>
WVTR		ASTM F 1249	g/m <sup>2</sup> -day	10
Refractive Index		ASTM D 542	-	1.49
Water Absorption		ASTM D 570	%	0.02
Dielectric Strength		ASTM D 149	kV/mm	40.76
Comparative Tracking Index (CTI)		IEC 60112:2020	Volt	600

## SUGGESTED LAMINATION PARAMETERS

Module Type	Parameter	1 <sup>st</sup> Chamber	2 <sup>nd</sup> Chamber
G2BS	Temperature (°C)	125-135	135-142
	Time (s)	~330	~420
G2G	Temperature (°C)	125-135	138-145
	Time (s)	~420	~580

**Note:** The gram weight and width may be customized

**Standard packing size:** 120 m<sup>2</sup> and 350 m<sup>2</sup> rolls

**Storage conditions:** Best recommended at temperature < 30 °C & RH < 60%

**Best before:** 6 months from the date of mfg.

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### Manufacturer of Solar Encapsulant Films

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**FUTURE-PROOF  
YOUR MODULES  
TODAY!**

**THANK YOU**