

EXIMIUS EPE

(EVA - POE - EVA)



Eximius EPE Film is a perfect blend of EVA and POE. Eximius EPE is a multi-layered film ensuring the advantages of EVA with the high performance of POE with better resistance to yellowing and degradation under high temperatures. Eximius EPE films are ideal for projects demanding longer operational life and greater environmental resilience. Eximius EPE brings modern innovation to traditional solar technology and is flexible, robust, and easy to process.



UL CERTIFICATION FILE
NO. E546308



TÜVRheinland®

PROPERTIES



Excellent UV &
Weather Stable



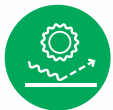
High Electrical
Insulation



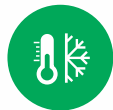
Superior Adhesion
to Glass & Backsheet



Excellent PID
Resistance



Highly
Durable



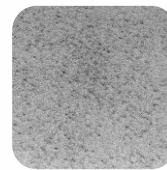
Thermally
Stable



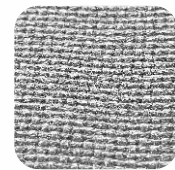
Excellent Moisture
Barrier

EMBOSSING

Orange Peel | Grid



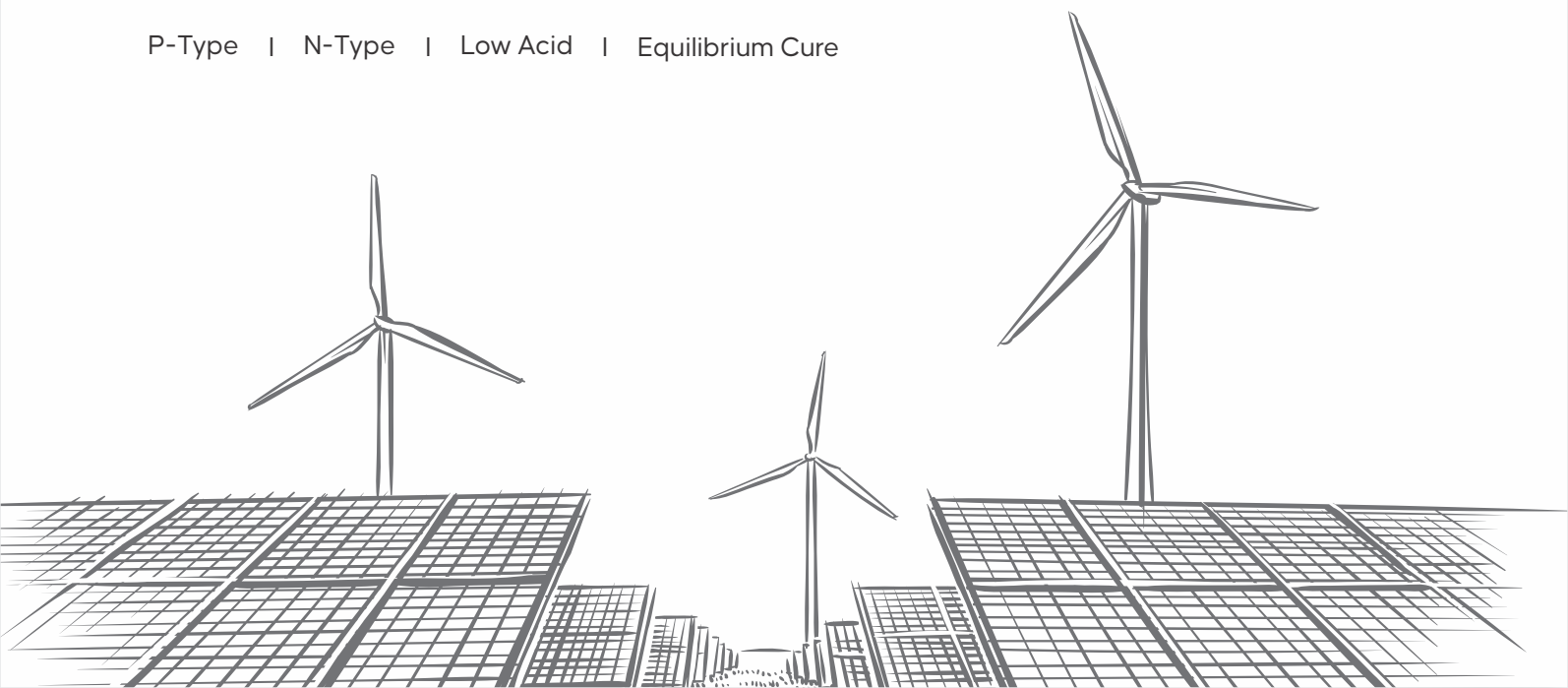
Orange Peel



Grid

VARIANTS

P-Type | N-Type | Low Acid | Equilibrium Cure



SPECIFICATIONS OF EXIMIUS EPE

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	%	≥ 600	
Tensile Strength		Mpa	≥ 6	
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	%	≥ 65	
Hardness (Shore A / D)	ADTMD 2240	-	75/22	
Density (EVA / POE)	ASTM D1505	g/cm ³	0.947 / 0.873	
VA Content	-	wt%	28 ± 1	
Volume Resistivity	ASTM D 257	Ω-cm	≥ 1×10 ¹⁵	
WVTR	ASTM F 1249	g/m ² -day	< 5	
Refractive Index	ASTM D 542	-	1.5	
Water Absorption	ASTM D 570	%	0.05	
Dielectric Strength	ASTM D 149	kV/mm	40.56	
Comparative Tracking Index (CTI)	IEC 60112:2020	Volt	600	

SUGGESTED LAMINATION PARAMETERS

Module Type	Parameter	1 st Chamber	2 nd Chamber
G2BS	Temperature (°C)	130-135	135-142
	Time (s)	~360	~450
G2G	Temperature (°C)	130-135	138-145
	Time (s)	~460	~600

Note: The gram weight and width may be customized

Standard packing size: 120 m² and 350 m² 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