

高透光增强型EVA胶膜 High-transmittance Ethylene Vinyl Acetate Encapsulant

产品介绍 Introduction

- 产品名称：高透光增强型EVA胶膜
Product Name: High-transmittance Ethylene Vinyl Acetate Encapsulant
- 品牌：Sinopont® Brand: Sinopont®
- 型号：EVA9110T Type: EVA9110T
- 主要成分：EVA（乙烯-醋酸乙烯共聚物），VA%：26-30
Key component: VA%: 26-30 EVA (Ethylene Vinyl Acetate)
- 用途：Sinopont® EVA9110T对广谱太阳光拥有极高的透过率，能够提高组件对太阳光的有效利用率，增加组件的实际发电效率。拥有极佳的抗PID能力，适应各类型电池片，保证组件的长期发电效率。
Application: Sinopont® EVA9110T is designed for high efficient solar cells in PV modules; with high transmittance on full spectrum, it enables solar panel to utilize more sunlight and produce higher power. It provides excellent PID (Potential Induced Degradation) and weather resistance for solar module, enabling stable power output and long service life of the module.

产品特性 Key Features

- 优异的全光谱透光率，保证组件的功率输出
High light-transmittance to ensure high power output of solar modules
- 针对高效太阳能电池设计，具有更强的抗PID性能
Superior PID resistance protection for solar modules
- 卓越的抗紫外及抗湿热老化性能
Excellent UV and damp-heat stability
- 出色的尺寸稳定性，保证组件质量及生产效率
Good dimension stability and low shrinkage
- 层压窗口宽，适合各种层压机
Wide process window; compatible with different lamination machines

性能指标 Technical Parameters

性能 Properties	单位 Units	9110T	测试方法 Test standard	
与玻璃粘结强度 Adhesion to Glass	N/cm	> 100.0	ASTM D903	
与背板粘结强度 Adhesion to Backsheet	N/cm	> 60.0	ASTM D903	
收缩率 Shrinkage	纵向MD	%	< 3.00	ASTM D1204
	横向TD	%	< 1.00	ASTM D1204
透光率 Transmittance (280-1100nm)	%	≥ 91	ASTM D1003	
交联度 Cross-linking Degree	%	75-95	ASTM D2765	
体积电阻率 Volume Resistivity	Ω·cm	> 1.0×10 ¹⁵	ASTM D257	
拉伸强度 Tensile Strength	MPa	≥ 18	ASTM D882	
断裂伸长率 Tensile Elongation	%	> 600	ASTM D882	
吸水率 Water Absorption	%	< 0.1	ASTM D570	
紫外老化黄变 UV Resistance (120KWH)	/	△YI≤5	ASTM G154	
湿热老化黄变 Damp Heat Resistance (1000h)	/	△YI≤5	IEC 61215	