

S201MT & S201MR---Anti-PID and Snail Trails Solution 抗PID、抗蜗牛纹型EVA封装胶膜

产品介绍

海优威EVA封装胶膜S201MT & S201MR,属于快速固化型EVA, 适于多种太阳能光伏组件封装使用。

产品特点

1. 优异的抗PID性能，以及抗蜗牛纹能力。
2. 优异的耐候性，抗湿热老化及紫外老化能力强。
3. 良好的透光性能及长期保持率，S210MT&S201MR都分别有高透型及紫外截止的型号。
4. 优异的材料兼容性，与玻璃、焊带及汇流带、电池片、背板等材料有良好的粘性。
5. 胶膜表现厚度大，有特殊的压花结构，层压排气性好，易叠放，层压时间短，效率高。


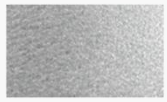
Introduction

HiUV S210MT&S201MR EVA films are fast cure types, and widely used for encapsulating PV modules.

Characteristics

1. Excellent anti-PID and anti-snail trails ability.
2. Excellent durability, with good performance in DH & UV aging.
3. Good light transmittance and long-term retention, S201MT & S201MR all have high transmittance and UV cut-off type model.
4. Outstanding material compatibility. Strong adhesive ability with glass, welding belt, cell, back sheet.
5. Film appearance thicker with special surface embossing, and easy to be operated, and can shorten lamination time.

产品系列 Product series

型号类别 Item	抗PID性能 Anti PID ability	高透光率型 High transmittance type	紫外截止型 UV-cutoff type	压花1:金字塔形 pyramidal embossed	
S201MT	Middle anti PID	S201MT1	S201MT2	压花2:磨砂型 Matte embossed	
S201MR	Super anti-PID	S201MR1	S201MR2		

抗蜗牛纹能力 Anti-snail trails abilities

HIUV excellent EVA formula bring super anti-snail track abilities. No snail trails happening.
海优威优异的EVA配方提升了组件的抗蜗牛纹能力，从未出现客户蜗牛纹投诉情况。

Brand A



HIUV



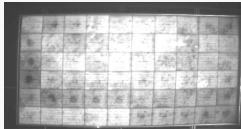
Customer on site comparison test :1 year
(PV modules with crack cells)

抗PID性能 Anti-PID ability

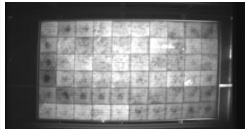
(TEST: 85°C,RH85%,-1000V,96h, EL)

S201MT/S201MR: Anti-PID ability

Before test

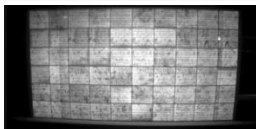


96hrs

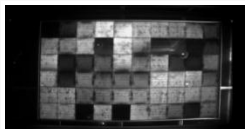


Other brand A : Anti-PID ability

Before test

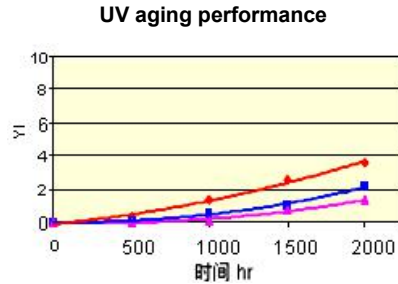
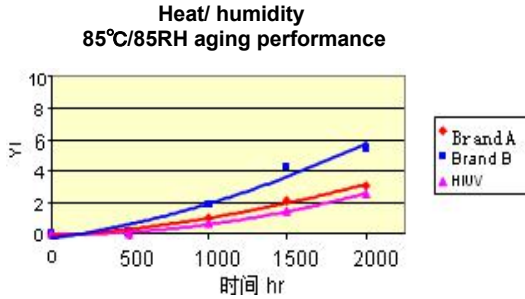


96hrs



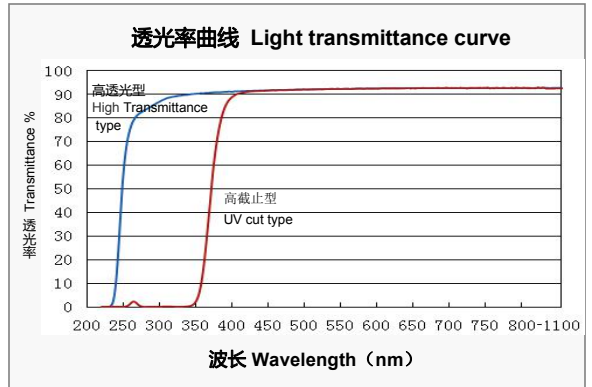
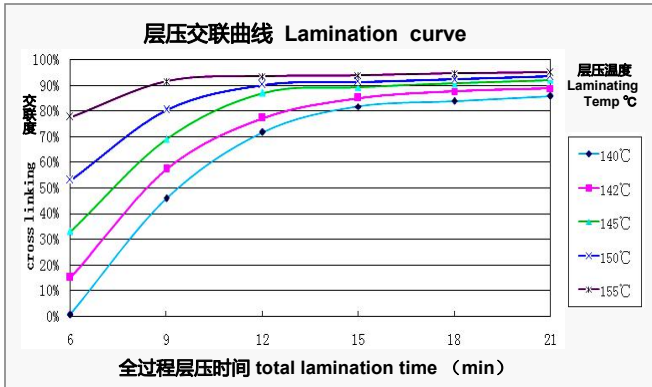
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抗湿热/抗紫外老化性能 Heat/Humidity and UV Resistance



层压参数 Recommend lamination parameters:
(Temp 140-155 °C, vacuum 4-5 min, keeping 12-14 min)

产品透光率 Light Transmittance



性能参数 Property

性能 Property	单位 Unit	测试方法 Test Method	S201MT	S201MR
宽度 Width	mm	HIUV method	970-1000	
厚度 Thickness	mm		0.60±0.10	
透光率 Optical Transmission (380-1100nm)	%		> 91	
VA含量 VA content	%	TGA	28.5±2	
交联度 Gel content (142°C, 18min)	Gel%	HIUV method	> 75	
收缩率 Shrinkage Rate (120°C, 3min)	%		MD≤4.0	
			TD≤1.5	
与玻璃剥离强度 Peeling Strength With Glass	N/cm	ASTM D903	> 60	
与TPE背板剥离强度 Peeling Strength With TPE	N/cm		> 50	
体积电阻率 Volume Insulating Resistance	Ω.cm	GB/T1410-2006	> 1*10 ¹⁵	> 2*10 ¹⁵
耐紫外黄变 UV Light Resistance (120kWh/ m2)	△YI	ASTM G154	< 5.0	
耐湿热黄变 Heat/Humidity Resistance (80°C, 85%RH, 1000hr)	△YI	ASTM E313	< 5.0	