

CY25RG48 耐水解太阳能背材用聚酯薄膜

Hydrolysis resistance PET film for solar cell back sheet

1. 特点及用途 Features and application

乳白色半透明聚酯薄膜，优异的电气绝缘性能，较低的水蒸气透过率，良好的涂覆加工性能，优异的耐老化性能。通过美国 UL、德国 TUV 测试及国家太阳能光伏产品质量监督检验中心 2500 小时 DH 测试。主要应用于太阳能电池背材等领域。

Milky white translucent PET film with excellent electrical insulation properties, low water vapor transmission rate, good coating processing performance, excellent anti-aging properties. Passed the UL, Germany TUV test and 2500 hours DH test of the national solar photovoltaic product quality supervision and inspection center. Mainly used in the field of solar cell back material.

2. 厚度及性能指标 Thickness and Specification

常规厚度: 125 μ m、150 μ m、188 μ m、250 μ m、300 μ m、350 μ m。其他厚度可根据客户要求定制。

Standard thickness: 125 μ m、150 μ m、188 μ m、250 μ m、300 μ m、350 μ m. Other thickness can be customized according to customer's specific requirement.

性能指标 Specification

项目 Item		单位 Unit	指标值 Index						试验方法 Test method
标称厚度 Thickness		μm	125	150	188	250	300	350	
厚度偏差 Thickness tolerance		%	±2	±2	±2	±2	±2	±2	GB/T 13542.2- 2009
拉伸强度 Tensile strength ≥	MD	MPa	160	160	160	150	150	140	
	TD		170	170	150	140	130	120	
断裂伸长率 Elongation at break ≥	MD	%	110	110	120	120	130	140	
	TD		90	90	90	90	120	120	
尺寸变化 Heat shrinkage (150℃,30min) ≤	MD	%	0.7						
	TD		0.2						
润湿张力 Wetting Tension ≥	Corona	Mn/m	52						GB/T 14216- 2008
水蒸气透过率 WVTR ≤		g/(m2. 24h)	3.5	3.0	2.5	2.0	1.8	1.6	GB/T 1408.1- 2006
工频电气强度 Electrical strength ≥		V/μm	90	85	76	65	60	55	GB/T 21529- 2008



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PCT 试验 PCT accelerated aging >	%	10	121℃,100%RH, 2atm, 48h
注：①MD 为纵向；TD 为横向。 ②水蒸气透过率、PCT 试验为型式检验，其它项目为出厂检验。 Remark: WVTR and PCT are type inspection, other indexes are delivery inspection.			

3. 贮存条件 Storage conditions

贮存在整洁、干燥、通风处，不应靠近火源、暖气或受日光直射。

Stored in a clean, dry, ventilated place, keep away from fire and heating, avoid direct sunlight.