

CY11GU 聚酯薄膜产品说明书

Technical Data Sheet of CY11GU Polyester Film

1. 产品简介 INTRODUCTIONS

江苏裕兴薄膜科技股份有限公司主要从事特种功能性聚酯薄膜的研发、生产、销售，是国内规模最大的特种功能性聚酯薄膜生产企业之一。公司通过 ISO9001 质量管理体系、ISO14001 环境管理体系和职业健康安全管理体系认证，多个品种通过美国 UL 实验室安全认证和环保测试，符合欧盟 ROHS 环保要求，公司高分子材料检测中心通过 CNAS 实验室认可。

CY11GU 聚酯薄膜是我司自主研发的一款具有耐水解性能、抗紫外性能白色耐候 BOPET 聚酯薄膜，同时具有良好的遮光性、尺寸稳定性、电气绝缘性等特点。主要应用于户外等有耐候要求的产品，如太阳能电池背板（无氟）领域等，可以有效增加产品使用寿命、降低产品长期使用成本。

Jiangsu Yuxing Film Technology Co., Ltd is one of the leading BOPET polyester film manufacturers in China. As a high-tech enterprise, Jiangsu Yuxing Film Technology Co., Ltd has passed ISO9001, ISO14001 and Occupational Health and Safety Management System certification. Many varieties have passed the UL Certification and environmental protection test, and meet the EU ROHS environmental protection requirements. And the testing center is accredited by CNAS laboratory.

CY11GU polyester film is a white weather-resistant BOPET polyester film with hydrolysis-resistance and UV-resistance independently developed by our company. It also has the characteristics of good shading, good dimensional stability and electrical insulation. It is mainly applicable in the production of the non-fluorine material solar cell back sheets with high weather resistance requirements, which effectively increase the service life and reduce the long-term use cost of the product.

2. 产品典型性能 TYPICAL PERFORMANCES

表 1 为我司 CY11GU 聚酯薄膜的性能典型值。

Table 1 shows the typical performance values of CY11GU polyester film.

表 1 CY11GU 聚酯薄膜的性能典型值

Tab.1 Typical performance values of CY11GU

序号 No.	项目 Item		单位 Unit	典型值 Typical values			试验方法 Test method
1	标称厚度 Thickness		μm	154	165	305	GB/T 13542.2-2021
2	拉伸强度 Tensile strength	MD	MPa	180	180	170	
		TD		180	180	170	
3	断裂伸长率 Elongation at break	MD	%	130	130	130	
		TD		100	100	120	
4	尺寸变化 Dimensional stability (150℃,30min)	MD	%	0.7	0.7	0.7	
		TD		0.5	0	0	



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5	透光率 Transmittance	%	16	16	15	ASTM D1003
6	工频电气强度 Dielectric strength	V/ μ m	85	85	60	GB/T 1408.1-2016
7	水蒸气透过率 Vapor transmissivity	g/m ² .d	2.0	2.0	1.4	GB/T 21529-2008
8	润湿张力 Corona treatment	mN/m	52	52	52	GB/T 14216-2006
9	抗紫外试验 UV test 200kwh/m ² Δ b	/	2.3	2.0	1.7	IEC 61215
10	PCT 老化试验断裂伸长率 PCT accelerated aging Retention of Elongation to break	%	50	50	50	121 $^{\circ}$ C,100%RH,2atm,48h

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.