



CY51 反射聚酯薄膜产品说明书

Technical Data Sheet of CY51 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 环境质量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。

CY51 聚酯薄膜是我司自主研发的一款具有高光学反射率的白色 BOPET 聚酯薄膜，同时具有光泽度低、密度低、热稳定性好等特点。主要应用于液晶背光模组中。

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.

CY51 polyester film is white BOPET polyester film independently developed by our company with high optical reflectivity. It also has the characteristics of low glossiness, low density, and good thermal stability. Mainly used in LCD backlight modules.



2. 产品典型性能 TYPICAL PERFORMANCES

表 1 为我司 CY51 聚酯薄膜的性能典型值。

Table 1 shows the typical performance values of CY51 polyester film.

表 1 CY51 聚酯薄膜的性能典型值

Tab.1 Typical performance values of CY51

序号 No.	项目 Item		单位 Unit	指标 Range	典型值 Typical values			试验方法 Test method
1	标称厚度 Thickness		μm	标准值±8	150	188	225	GB/T 13542.2-2021
2	拉伸强度 Tensile strength	MD	MPa	≥60	90	90	100	
		TD		≥60	80	80	90	
3	断裂伸长率 Elongation at break	MD	%	≥40	60	60	70	
		TD		≥40	40	40	50	
4	尺寸变化 Dimensional stability (85°C,30min)	MD	%	≤0.5	0.15	0.15	0.15	
		TD		≤0.3	0	0	0	
5	密度 Density		g/cm³	0.7~1.1	0.85	0.85	0.85	
6	透光率 Transmittance		%	≤5	3.0	2.5	2.0	ASTM D1003
7	雾度 Haze		%	/	90	90	90	
8	反射率 Reflectivity	550nm	%	≥95	96	96	96	分光光度计 Spectrophotometry
		400-700nm		≥95	96	96	96	
9	60° 表面光泽度 60° surface glossiness		GU	20±5	20	25	20	GB/T 8807-1988
10	电晕面润湿张力 Corona treatment		mN/m	≥52	52	52	52	GB/T 14216-2008

注：密度、光泽度等性能可根据客户要求进行定制。

Note: Properties such as density and glossiness can be customized according to customer requirements.

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.