

CY30G 聚酯薄膜产品说明书

Technical Data Sheet of CY30G 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。

CY30G 聚酯薄膜是我司自主研发的一款具有较低的齐聚物萃取值、良好的耐热性能及耐冷媒性能的乳白色 BOPET 聚酯薄膜，同时具有良好尺寸稳定性、电气绝缘性等特点。主要应用于有耐冷媒要求的压缩机，电机槽间绝缘等领域。

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.

CY30G polyester film is a milky white BOPET polyester film independently developed by our company with low oligomer extraction value, good heat resistance and refrigerant resistance, and has good dimensional stability, electrical insulation and other characteristics. It is mainly used in compressors with refrigerant resistance, motor groove insulation and other fields.

2. 产品典型性能 TYPICAL PERFORMANCES

表 1 为我司 CY30G 聚酯薄膜的性能典型值。

Table 1 shows the typical performance values of CY30G polyester film.

表 1 CY30G 聚酯薄膜的性能典型值

Tab.1 Typical performance values of CY30G

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	125	188	250	GB/T 13542.2-2021
2	拉伸强度 Tensile strength	MD	MPa	150	160	160	
		TD		160	170	170	
3	断裂伸长率 Elongation at break	MD	%	110	120	120	
		TD		100	100	100	



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4	尺寸变化 ≤ Dimensional stability (150℃,30min)	MD	%	1.5	1.5	1.5	
		TD		0.8	0.8	0.8	
5	透光率 Transmittance		%	55	56	57	ASTM D1003
6	工频电气强度 Dielectric strength		V/μm	90	70	65	GB/T 1408.1-2016
7	二甲苯萃取值 Xylene extraction value		%	0.8	0.7	0.6	---
8	耐热等级 Heat resistance rating		/	B	B	B	UL746B

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.