

CY30YS 耐热老化聚酯薄膜

Heat aging polyester film

1.特点及用途 Features and application

半透明聚酯薄膜，优异的物理机械性能、耐热老化性能，电气绝缘性能佳，通过第三方长期耐热性评定（TI:130.5）主要适用于电机槽间绝缘，匝间绝缘，母线产品绝缘和需要长期在高温高湿环境下的电气绝缘应用等。

Translucent polyester film, excellent physical and mechanical properties, heat aging resistance, electrical insulation performance is good, long-term heat resistance through a third party assessment (TI: 130.5). Slot insulation is mainly suitable for motor, turn-to-turn insulation, bus insulation products and need long-term application of electrical insulation in high temperature and high humidity environment, etc.

2. 厚度及性能指标 Thickness & specification

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

Standard thickness: 125 μm, 150 μm, 188 μm, 250 μm. Other thickness can be customized according to customer's specific requirement.

性能指标 Specification

项目 Property		单位 Unit	典型值 Index				试验方法 Test method
标称厚度 Thickness		μ m	125	150	188	250	GB/T 13542.2-2021
拉伸强度 Tensile strength	MD	MPa	159	168	186	188	
	TD		162	154	173	176	
断裂伸长率 Elongation at break	MD	%	121	124	135	140	
	TD		100	110	120	125	
断裂伸长率 Elongation at break (190° 6 天)	MD	%	12	18	14	22	
	TD		21	23	22	33	
尺寸变化 Heat shrinkage (150℃,30min)	MD	%	1.1				
	TD		0.1				
工频电气强度		V/ μ	81	76	66	61	GB/T 1408.1-2016



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Electrical strength	m					
体积电阻率 Volume resistivity≥	Ω .m	1.0×10 ¹⁴				GB/T 31838.2-2019
注：①MD 为纵向；TD 为横向。 ②体积电阻率为型式检验，其它项目为出厂检验。 ③非推荐优选标称厚度的性能指标值由内插法求得。 ④以上为典型值，非保证值。						

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.