

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 μ m, 150 μ m, 188 μ m, 250 μ m. 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

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.