

6023D 电气绝缘用厚聚酯薄膜**Thick PET film for electrical insulation****1 特点及用途 Features and application**

乳白色半透明聚酯薄膜，优异的电气绝缘性能，优异的加工性能。主要应用于电子电器绝缘。

Milky white translucent PET film with excellent electrical insulation properties, excellent processing performance. Mainly used in the insulation of electrical and electronic equipment.

2 性能指标 Specification

常规厚度: 400 μ m、450 μ m、500 μ m。其他厚度可根据客户要求定制。

Standard thickness: 400 μ m 、 450 μ m 、 500 μ m. Other thickness can be customized according to customer' s specific requirement.

性能指标 Specification

项目 Property		单位 Unit	指标值 Index			试验方法 Test Method
标称厚度 Thickness		μ m	400	450	500	
厚度偏差 Thickness tolerance		%	±5	±5	±5	GB/T 13542.2-2009
拉伸强度 Tensile strength ≥	MD	MPa	130	130	120	
	TD		130	120	120	
断裂伸长率 Elongation at break ≥	MD	%	140	140	150	
	TD		120	130	130	
尺寸变化 Heat shrinkage (150℃,15min) ≤	MD	%	1.5			
	TD		1.0			
工频电气强度 Electrical strength ≥	In air	V/um	50			GB/T 1408.1-2006
介质损耗因数 Dissipation Factor（50Hz）≤			3×10-3			GB/T 1409-2006
相对电容率 Relative permittivity（50Hz）			2.9~3.4			



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体积电阻率 Volume resistivity $\geq$	$\Omega \cdot m$	1.0×10^{14}	GB/T 1410-2006
注：①MD 为纵向；TD 为横向。②介质损耗因数、相对电容率、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。 Remark: Dielectric loss factor, relative capacitance ratio and volume resistivity are the type inspection, others are delivery inspection.			

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;