



ELECTRICAL INSULATION MATERIALS

PET Polyester Film



PRODUCT PARAMETER

Item		Unit	Index					
Thickness		um	100	125	175	188	200	250
Deviation of thickness		%	±3	±3	±4	±4	±4	±4
Tensile strength	MD	Mpa	≥170	≥160	≥160	≥150	≥150	≥150
	TD							
Elongation at break	MD	%	≥100	≥100	≥100	≥100	≥100	≥100
	TD							
Heat shrinkage (150°C, 30min)	MD	%	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5	≤1.5
	TD		≤0.6	≤0.6	≤0.6	≤0.6	≤0.6	≤0.6
Haze		%	≤2.0	≤2.6	≤3.5	≤4.0	≤4.6	≤6.0
Wetting tension		mN/m	≥52					
Electrical strength		V/μm	≥90	≥80	≥69	≥66	≥64	≥60
Volume resistivity		Ω.m	≥1×10 ¹⁴					
Relative dielectric constant (50Hz)			2.9-3.4					
Dielectric loss tangent (50Hz)			≤3×10 ⁻³					



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