POLYIMIDE FILM

Introduction:

It has excellent mechanical property, electrical property, chemical resistance and wide working temperature (-200℃～+260℃). It is widely used as class H insulating material in motors, dry transformers and other appliances. It is also used as basic material in adhesive tape and flexible laminates like NHN, GHG, etc. UL and SGS certificated.

Specification:

Thickness: 0.0125-0.25mm (0.5mil-10mil), width: 10-1000mm

Thickness tolerance:

Thickness/μ m	12.5	25	40	50	75	100	125	175	200
Tolerance/μ m	+1/-1	+2/-1	+2/-2	+2/-2	+3/-3	+4/-3	+4/-4	+5/-5	+5/-5

Technical information:

Item		Unit	Standard value								
Thickness		μ m	25	30	40	50	75	100	125	175	200
Tensile strength	MD	MPa	≥170								
	CMD		≥150								
Elongation at breakdown		%	≥50								
Shrinkage rate (MD and CMD)		%	≤1.0（150℃）/≤3.0（400℃）								
Dielectric strength (48-62Hz)		KV/mm	≥150							≥120	
Surface resistance, 200℃		Ω	$\geq 1.0*10^{13}$								
Volume resistivity, 200℃		Ω.m	$\geq 1.0*10^{10}$								
Relative dielectric constant (48～62Hz)		--	3.5±0.4								
Dielectric dissipation factor (48～62Hz)		--	$\leq 1.0\times10^{-3}$								
Long-term working temperature		℃	≥180								
Appearance		--	Surface smooth, bright and clean; no defects, such as folding, tearing, particulate, air bubble, pinhole and any external impurity. Edge is orderly and has no breakage. Film is properly rolled up on the core.								

Packing:

About 50KGS per roll; rolls put into cartons and cartons put into wooden cases or onto plastic pallets.

Product pictures: