

## Polyimide Film (HN)

Polyimide Film is produced by cast method, which has high temperature resistance, resistance to radiation and excellent dielectric properties. It is applicable to electrical insulating of the class H electric motor and other electrical equipments, and other use electrical insulating materials.

### 1. Thickness and Tolerance:

Thickness(um)	12.5	20	25	30	40	50	75	100	125	150	175	200	225	250
Tolerance(um)	+1	+2	+2	+2	+2	+2	+3	+4	+4	+6	+6	+6	+6	+6
	-1	-1	-1	-1	-2	-2	-3	-3	-4	-6	-6	-6	-6	-6

### 2. Properties:

Number	Item	Unit	Index										
			25um	40um	50um	75um	100um	125um	150um	175um	200~250um		
1	Density	Kg/m <sup>3</sup>	1425±10										
2	Tensile Strength (MD & TD)	Mpa	≥185	≥165			≥110						
3	Elongation (MD & TD)	%	≥60										
4	Shrinkage (MD & TD)	%	≤1.0 (150°C) ≤3.0 (400°C)										
5	Electric Strength (breakdown) 48Hz~62Hz	v/um	≥240	≥200	≥180	≥160	≥150	≥110					
6	Surface Resistance,200°C	Ω	≥1.0X10 <sup>13</sup>										
7	Volume Resistance,200°C	Ω.M	≥1.0X10 <sup>10</sup>										
8	Dielectric Constant 48Hz~62Hz	-	3.5±0.4										
9	Dielectric Loss Factor 48Hz~62Hz	-	≤4.0X10 <sup>3</sup>										



※ For more information of Polyimide Film or other High Performance Materials, please contact us as following:

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