

## TECHNICAL DATA SHEET

### Polyimide FEP Tape

NCPI Polyimide FEP Tape is by one-sided or two-sided film coated with F46 (FEP fluoropolymer), and then slitted into various width tapes after trying. It is a H class insulating material for electrical winding wire, which achieves melting and shaping within half minutes at 350~380°C.

**Table 1 Thickness and Tolerance:**

Thickness(um)	33	35	38	40	50	65
Tolerance(um)	±1	±1	±1	±1	±2	±2

**Note:** supplying various thickness of the tape, Tolerance ± 0.003 mm or as per customer's.

**Table 2 Properties**

No.	Item	Unit	Standards
1	Tensile Strength	MPa	≥80
2	Elongation at Break	%	≥35
3	Stripping Force	Tape~Tape	≥10
		Tape~Copper	≥6
4	Electric Strength	v/um	≥140
5	Surface Resistance	Ω	≥1.0X10 <sup>14</sup>
6	Volume Resistance	Ω.M	≥1.0X10 <sup>10</sup>
7	Relative Permittivity 48~62Hz	-	3.5±0.4
8	Dielectric Power Factor 48~62 Hz	-	≤4.0X10 <sup>-3</sup>



※For more information of Polyimide Film F46 Tape or other High Performance Materials, please contact us as following:

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