



ThinFlex

Distributed by:



ThinFlex Corporation

No. 8, Luke 2nd.Rd., Luzhu Dist., Kaohsiung City, 821, Taiwan, R.O.C.
(Kaohsiung Science Park)
Tel: +886-7-6955236 Fax: +886-7-6955539
http://www.thinflex.com.tw
e-mail: service@thinflex.com.tw

ThinFlex W-1005ED-N4
Adhesiveless Double Sided Copper Clad Laminate
(Halogen Free)

IPC Designation IPC-4204/11

ThinFlex W-1005ED-N4 is an adhesiveless double-sided (D/S) copper clad laminate, using ThinFlex TPI film and laminated with ED copper foil on both sides. ThinFlex W-1005ED-N4 adhesiveless D/S composites are designed for a wide variety of flexible circuit applications which require advanced material performance, temperature resistance, fine pitch, and high reliability.

1. Product Characteristics:

- \* Excellent dimensional stability
\* Excellent flexibility
\* Finer line etching capability
\* Low moisture absorption
\* Excellent flammability
\* Excellent chemical resistance
\* Excellent thermal, mechanical, and electrical properties

2. Specifications:

W- 10 05 E D-N4

Diagram showing arrows from the product code 'W- 10 05 E D-N4' pointing to a table with columns: Product (W : D/S FCCL), Thickness of PI (10 : 1.0 mil), Thickness of Cu (05 : 1/2 oz), Cu Type (E : ED), Structure (Double-sided), and Supply Size (W: 250/500 ± 1mm; L: 400~700 ± 2mm (sheet type); W: 250/500 ± 1mm; L: 100 +2/-0m (roll type)).

\*Other thicknesses and dimensions are available on customers' demand.



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3. Construction:

Table with 3 rows: Copper foil, Polyimide film, Copper foil

4. Properties:

IPC Designation IPC-4204/11

Main properties table with columns: Test item, Unit, W-1005ED-N4, Test Method. Rows include Peel Strength, Tensile Strength, Electrical Properties, Physical and Thermal Properties.

\* Above data are typical values, and are not guaranteed values.



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## 5. Storage:

ThinFlex-W-1005ED-N4 will meet its shelf-life for at least 12 months after arrival at the user's factory when stored in the original packaging at temperatures of below 25°C and below 70% humidity. The products do not need refrigeration and should not be frozen.

Note: The information and data contained in this technical literature is believed to be accurate and is offered in good faith for the benefit of the user. The user should make his own tests to verify the suitability of this product for any application before its use. All data are typical values only and subject to change without notice.

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