



ThinFlex



ThinFlex Corporation

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ThinFlex-W22, W-2003RD-C Adhesiveless Double Sided Copper Clad Laminate (Halogen Free)

IPC Designation IPC-4204/11

ThinFlex-W22, W-2003RD-C is an adhesiveless double-sided (D/S) copper clad laminate, using ThinFlex TPI film and laminated with RA copper foil on both sides. The W-2003RD-C adhesiveless D/S composites are designed for a wide variety of flexible circuit applications which require advanced material performance and high reliability.

1. Product Characteristics:

- * Excellent dimensional stability
- * Excellent flexibility
- * Excellent etching capability
- * Excellent flame resistance
- * Excellent chemical resistance
- * Excellent thermal, mechanical, and electrical properties
- * Low moisture absorption

2. Specifications:

W- 20 03 R D-C

Product	Thickness of PI	Thickness of Cu	Cu Type	Structure	Cu Supplier
W-type FCCL	20 : 2.0 mil	03 : 0.3 Oz.	R : RA	D: D/S	Fukuda
Product Size	W: 250/500 ± 1mm; L: 400~700 ± 2mm (sheet type) W: 250/500 ± 1mm; L: 100 +2/-0m (roll type)				

* Other product size is also available on customer's demand.



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3. Construction:

Table with 2 rows: Copper foil, Polyimide film, Copper foil

4. Properties:

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Main properties table with columns: Test item, Unit, Specification, Typical Value, Test Method. Rows include Peel Strength, Tensile Strength, Flexural Endurance, Electrical Properties, Physical and Thermal Properties, etc.

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



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5. Storage:

ThinFlex-W22, W-2003RD-C will meet its shelf-life for at least 12 months after arrival at purchaser's factory with original package, stored at temperature of 25°C or less and relative humidity of 70% or less. The product is no need to be kept in the refrigeration.

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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