



ThinFlex



ThinFlex Corporation

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# ThinFlex-A, A-6010RD Adhesiveless Double Sided Copper Clad Laminate (Halogen Free)

IPC Designation IPC-4204/11

ThinFlex A-6010RD is an adhesiveless double-sided (D/S) copper clad laminate, using UBE TPI film and laminated with RA copper foil on both sides. ThinFlex-A, A-6010RD 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 (Flame class UL 94V-0; UL File No. E219724)
- \* Excellent chemical resistance
- \* Excellent thermal, mechanical, and electrical properties

## 2. Specifications:

A - 60 10 R D

<b>Product</b> A : D/S FCCL	<b>Thickness of PI</b> 60 : 6 mil	<b>Thickness of Cu</b> 10 : 1oz	<b>Cu Type</b> R : RA	<b>Structure</b> Double-sided
<b>Supply Size</b>	W: 458 ± 1mm; L: 610 ± 2mm (sheet type)			

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



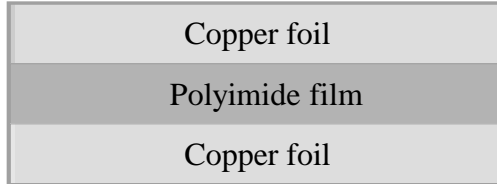
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3. Construction:



4. Properties:

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Table with 5 columns: Test item, Unit, Specification, Typical Value, Test Method. Rows include Peel Strength, Tensile Strength, Electrical Properties, and Physical and Thermal Properties.

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



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## 5. Storage:

ThinFlex-A, A-6010RD 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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