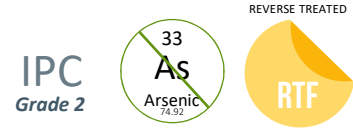
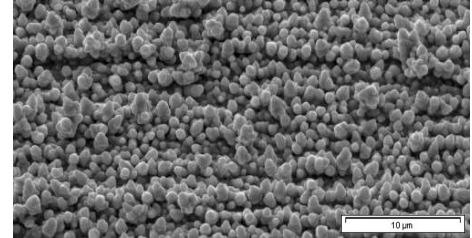


HIGH DUCTILITY REVERSE TREATED COPPER FOIL FOR 2-LAYER FCCL.



TYPICAL SUBSTRATES

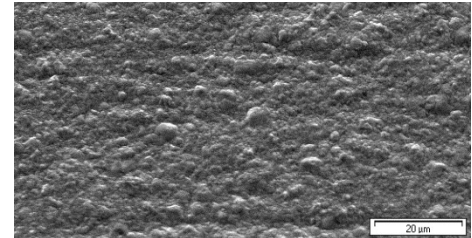
Polyimide resin systems.



Treated Drum Side

TYPICAL PROCESSES

Lamination on a polyimide film to form a 2-layer flexible copper clad laminate (adhesiveless with a greater flexibility compared to 3-layer FCCL).



Untreated Electrolyte Side

TYPICAL APPLICATIONS

Smartphones, tablets, laptops.

TYPICAL AVERAGE PROPERTIES*

| SR-TZA-B-FX | | | | | | |
|--|-----|-----------------------------|------------------|-----------|----------------------------|---------------------------|
| MEASURED PARAMETERS | | UNITS | PRODUCT GAUGE | | IPC | |
| Nominal Thickness | | µm oz. | 12 3/8 | 18 1/2 | Specification IPC-4562A | Test Method IPC-TM-650 |
| Area weight | | g/m ² | 105 | 154 | 3.4.4 | 2.2.12 |
| Untreated Matte Side Roughness (Rz) | JIS | µm | ≤ 2.4 | | - | 2.2.17 |
| | ISO | | ≤ 3.0 | | 3.4.5 | |
| Treated Side Roughness (Rz) | JIS | | ≤ 2.4 | | - | |
| | ISO | | ≤ 3.0 | | 3.4.5 | |
| Tensile Strength Transverse (RT) | | MPa (k.Lb/in ²) | ≥ 345 (≥ 50) | | 3.5.1 | 2.4.18 |
| Tensile Strength Transverse after after 2 min at 250°C (RT) | | | ≥ 207 (≥ 30) | | | |
| Elongation Transverse (RT) | | % | ≥ 3 | ≥ 5 | 3.5.3 | |
| Elongation Transverse after after 2 min at 250°C (RT) | | | ≥ 6 | ≥ 8 | | |
| Peel Strength Treated Shiny Side halogen-free prepreg ^{††} (RT) | | N/mm (Lb/in) | ≥ 0.7 (≥ 4.0) | | 3.5.4 | 2.4.8 |

^{††} Laminate construction with thickness ≥ 0.5 mm

ALTERNATIVE Please also refer to BF-TZA-FX datasheet.

* ALL OF THIS TECHNICAL INFORMATION HAS BEEN DETERMINED WITH DUE CARE AND THOROUGHNESS. HOWEVER, BECAUSE THE CONDITIONS OF USE AND PROCESS AND APPLICATION TECHNOLOGIES EMPLOYED CAN SUBSTANTIALLY VARY, THE PROVIDED DATA AND FIGURES CAN ONLY SERVE AS NON-BINDING GUIDELINES. THEY DO NOT CONSTITUTE A GUARANTEE THAT THE PURCHASED ITEM WILL POSSESS CERTAIN ATTRIBUTES. FOR THIS REASON, NO LIABILITY WHATSOEVER CAN BE ASSUMED FOR THEM. THE BUYER IS OBLIGED TO CHECK THE SUITABILITY OF ALL SUPPLIED PRODUCTS.