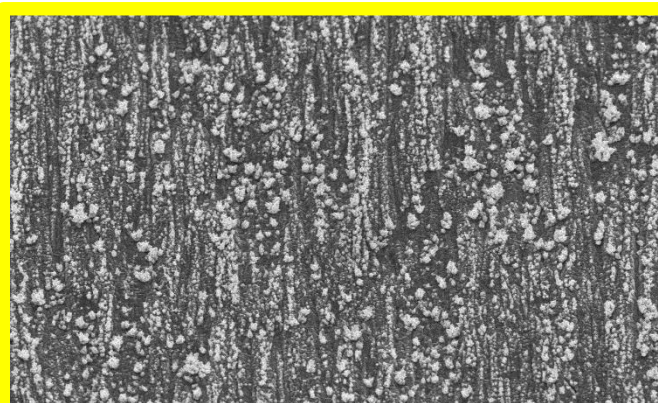
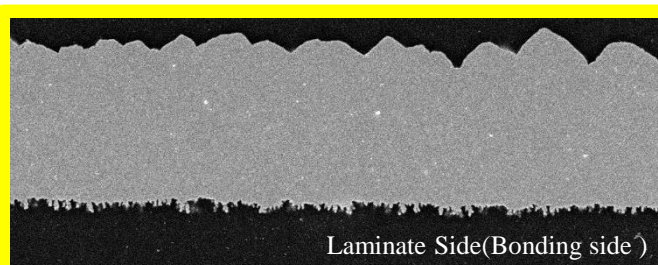


35µm untreated-side Foil SEM × 1,500



35µm treated-side Foil SEM × 1,500



Laminate Side(Bonding side)

35µm Foil Cross Section SEM × 1,000

Composition :

– Cross Section :



- Resist/ Bonding side Color : Pink/ Pink
- IPC-Grade 3

Application:

- Inner layer of Server/Switch/Storage
- Material:
PPO/PPE prepreg/High Tg prepreg
Mid-Loss/Low-loss/Ultra loss prepreg

Feature:

- RG311 foil with hyper very low profile to have excellent signal integrity (SI) performance and good etch ability, and lower electrical resistivity compared to regular Reverse Treated copper Foil (RTF).
- low profile of RG311 makes it an excellent material to apply to high speed transmission board.
- Special treatment with high peeling
- Micro copper-crystal treated, enhance etching ability and anti- undercut ability for fine line process, suitable for HDI board.
- Excellent anti-oxidation and shelf life.

Type	RG311		Thickness	Physical Properties						Roughness JIS94 (µm)		
				Area Wt.	Tensile(kg/mm2)		Elongation(%)		Peel Strength ML *1		Rz (Treated side)	Rz (Untreated side)
	(oz)	(µm)	(µm)	(g/m ²)	RT	180°C	RT	180°C	(lb/inch)	kg/cm		
RG311 (Pink Color)	Toz	12µ	12±1.5	105±3	≥30	≥17	≥5	≥5	≥3.0	≥0.54	≤2.3	≤4.5
	Hoz	18µ	18±2.0	153±5	≥30	≥17	≥8	≥8	≥3.5	≥0.63	≤2.3	≤5.5
	1oz	35µ	35±3.5	285±5	≥29	≥17	≥15	≥10	≥4.5	≥0.80	≤2.3	≤7.0
	2oz	70µ	70±7.0	580±15	≥26	≥15	≥20	≥14	≥6.0	≥1.07	≤2.3	≤11.0

※ ML *1 :Mid-loss Resin

※ This is representative data, not guarantee.

The best application of the copper foil manufacturer & service provider