OAK-MITSUI
MITSUI KINZOKU CORPORATE GROUP

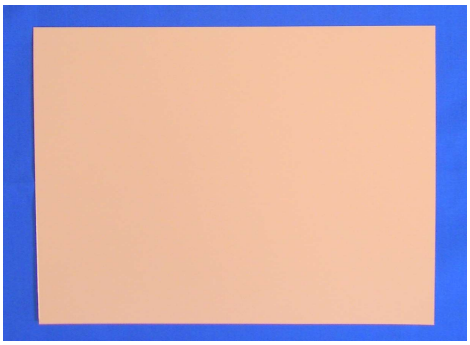
Performance Copper Foils

TLB-SS®

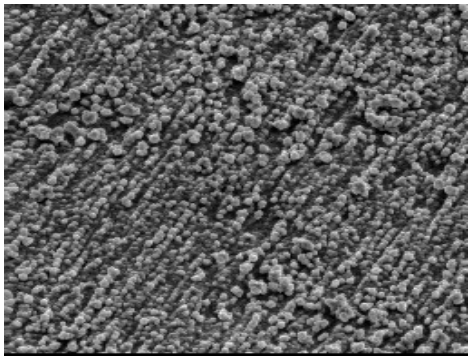
TLB-SS is a foil designed for lithium-ion battery and other applications. TLB-SS has a copper roughening treatment on the drum shiny side of the foil to enhance adhesion. TLB-SS meets all IPC-4562 copper foil requirements.



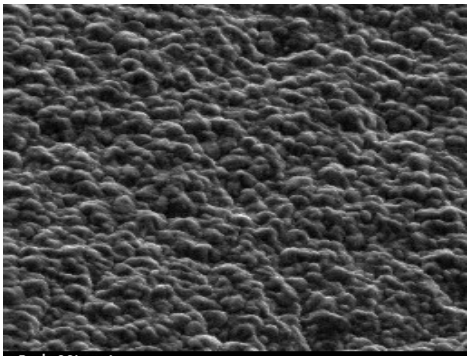
Drum Shiny Side (Treated) - 10µ TLB-SS



Matte Side - 10µ TLB-SS



Drum Shiny Side (Treated) - TLB-SS (2500x)



Matte Side - TLB-SS (2500x)

Nominal Thickness		microns	10	12	18
Tensile	Ambient	Kpsi	62.5	65	60
Elongation	Ambient	%E	4	7	10
Roughness - Ra	Drum	µinch	14	14	14
Roughness - Rz	Drum	µinch	100	100	100
Roughness - Ra	Matte	µinch	18	20	23
Roughness - Rz	Matte	µinch	115	120	145

Performance Benefits

- Roughened surfaces on both sides for improved coating reliability and enhanced adhesion.
- Copper electro-deposition assures very high purity foils.
- Unique anti-tarnish coating, designed specifically for lithium-ion battery applications.
- Widths up to 53 inches (1,346mm) wide available

***Note**: Nominal thickness is determined by area weight. Actual measured thickness may be slightly higher due to matte side topography.

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