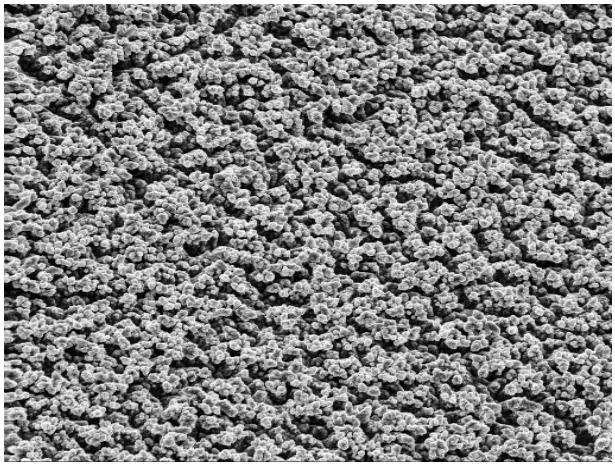
OAK-MITSUI
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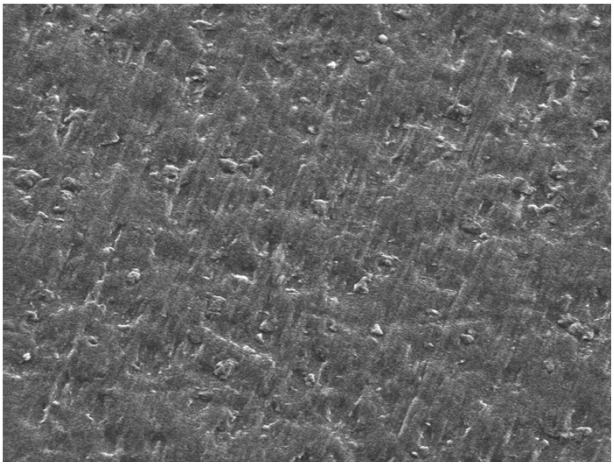
Performance Copper Foils

TOB-III

TOBIII is a grade 3 (HTE) copper foil with a TOB treatment designed for multilayer constructions and is fully compatible with all epoxy resin systems.



Treated (Matte) Side TOBIII (18 µm)



Drum Side TOBIII (18 µm)

Nominal Thickness		microns	12	18	35	70
Area Weight		oz/ft²	3/8	1/2	1	2
Tensile	Ambient	Kg/mm²	42.2	42.2	38.7	36.9
	180° C	Kg/mm²	21.1	21.1	21.1	21.1
Elongation	Ambient	%E	6	8	15	20
	180° C	%E	8	8	8	8
Roughness - Ra	Drum Side	µm	.25	.25	.25	.25
Roughness - Rz	Matte Side	µm	5.1	5.1	6.3	10.2
Peel Strength B Condition Epoxy, Tg 170°C	Matte Side	Kg/cm	1.25	1.3	1.9	2.7

Performance Benefits

- Zinc barrier layer promotes long term bond strength and resists pink ring.
- HTE characteristics eliminate inner layer foil cracking.
- Provides consistency in etching and drilling.

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

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