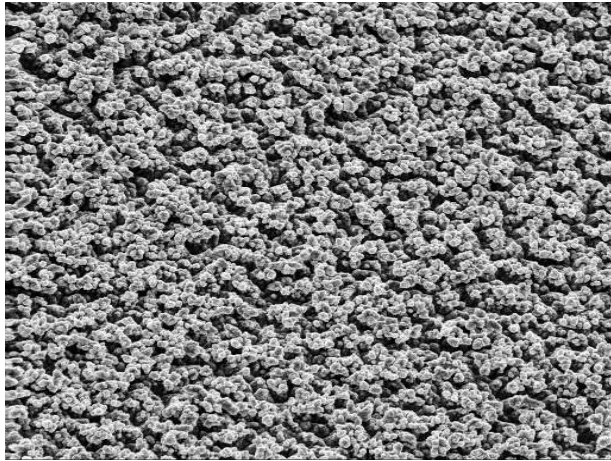
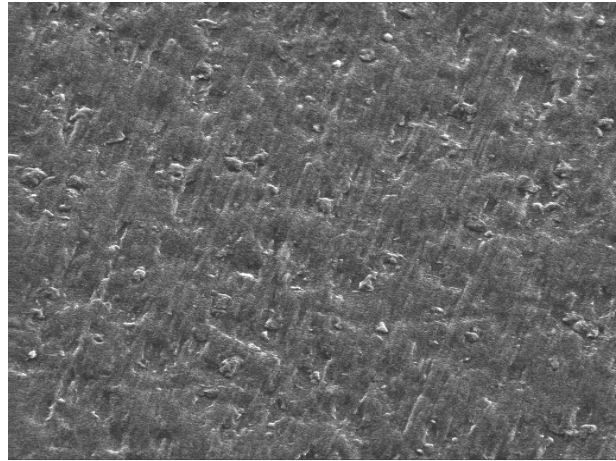


TOB-HD

TOB-HD is an IPC Grade 2 copper foil providing superior ductility for flexible printed circuit applications. This product is designed for flex to install applications. TOB-HD is manufactured with a zinc treatment that is fully compatible with all epoxy or brominated resin systems.



Treated (Matte) Side TOB-HD (1/2 Ounce)



Drum Side TOB-HD (1/2 Ounce)

Nominal Thickness		microns	18	35	70
		oz/ft ²	1/2	1	2
Tensile	ambient	Kpsi	60	55	52.5
Elongation	ambient	Kpsi	8	15	20
Roughness - Ra	Drum side	µinch	10	10	10
Roughness - Rz	Matte side	µinch	200	250	400
Peel Strength B Condition Epoxy, Tg 170°C	Matte Side	Lbs/in	7.5	10.5	15.0

Performance Benefits

- Excellent peel strength to enhance reliability.
- Excellent for high frequency flexible laminates.
- Cost effective alternative to wrought and annealed foils.

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

The information contained in this data sheet is not intended to and does not create any warranties, express or implied, including any warranty of merchantability or fitness for a particular purpose. The actual performance of Mitsui materials will vary according to the customer's application.

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