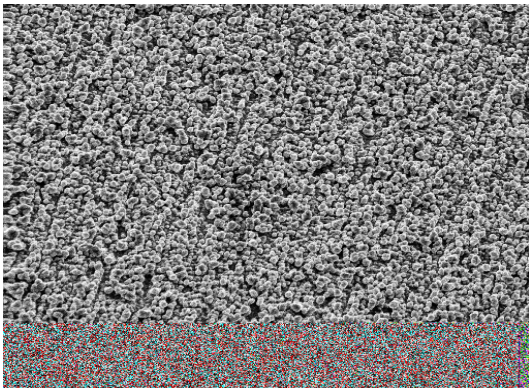
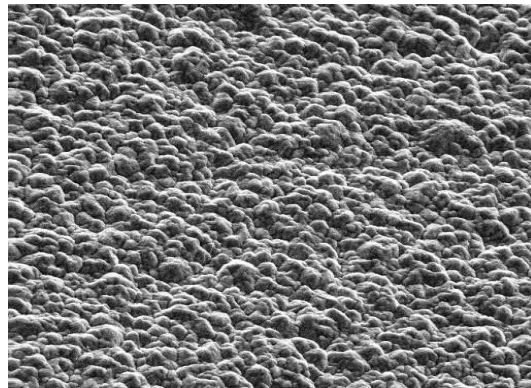




MLS is a reverse-treated, Grade 3, controlled elongation foil. This product is designed for inner layer applications where controlled impedance and high density, fine lines are required. MLS is fully compatible with all epoxy resin systems.



Treated (Drum) Side MLS (1/2 Ounce)



Matte Side MLS (1/2 Ounce)

Nominal Thickness		Microns	18	35	70
		oz/ft ²	1/2	1	2
Tensile	ambient	Kpsi	60	55	52.5
	180° C	Kpsi	30	30	30
Elongation	ambient	Kpsi	8	15	20
	180° C	%E	8	8	8
Roughness - Rz	Drum side	μinch	120	120	120
Roughness - Rz	Matte side	μinch	175	225	350
Peel Strength B Condition Epoxy, Tg 170° C	Matte Side	Lbs/in	6.0	8.0	11.0

Performance Benefits

- VLP bonding surface, minimal foil treatment residues after etching.
- Superior etch factor for fine lines.
- Reduced costs through process step elimination during PCB fabrication.
- HTE characteristics eliminate inner foil cracking

*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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