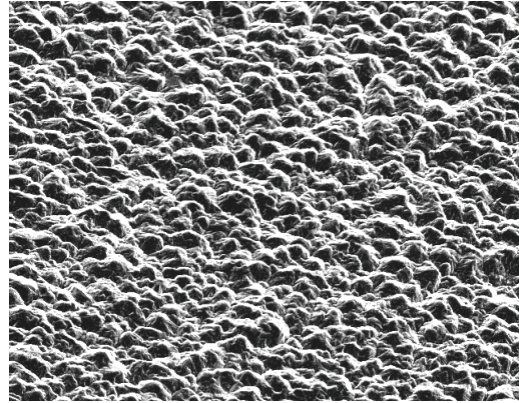


MLS-EP

MLS-EP is a reverse treated foil designed for high Tg substrates. This product is designed for inner layer applications where controlled impedance and high density fine lines are required. Adhesion properties are improved on MLS-EP versus the MLS product.



Treated (Drum) Side MLS-EP



Untreated (Matte) Side MLS-EP

Table of Typical Foil Properties

Nominal Thickness		microns	18	35	70
Area Weight		oz/ft ²	0.5	1	2
Tensile	ambient	Kpsi	60	55	52.5
	180°	Kpsi	30	30	30
Elongation	ambient	%E	8	15	20
	180°	%E	8	8	8
Roughness	Untreated (matte side)	Rz / μinch	175	225	350
	Treated (drum side)	Rz / μinch	150	150	150
B Condition Peel Epoxy, 170° C Tg	Treated (drum side)	Lbs/in	7	9	12

Performance Benefits

- Very Low Profile Bonding Surface.
- Excellent Etch Factor for fine lines
- HTE characteristics eliminate inner layer foil cracking.
- Highest level of treatment for a reverse treated foil
- High treatment surface area for improved / enhanced peels on higher Tg substrates

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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