MLS

Introduction

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 supplied with a TOB treatment which is fully compatible with all epoxy resin systems.

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 layer foil cracking

Typical Physical Characteristics

Oak-Mitsui foils meet all requirements of IPC-4562 and are produced with the patented "AT" resin resistant treatment.

Nominal Thickness Area Weight		microns oz/ft²	18 1/2	35 1	70 2
Tensile	ambient 180°C	Kpsi Kpsi	60 30	55 30	52.5 30
Elongation	ambient 180°C	%E %E	8 8	15 8	20 8
Roughness	drum matte	Ra Rmax	125 175	125 250	125 400
Peel Strength B Epoxy, Tg 170°C	drum	lbs/in	6	8	11

The information contained in this specification 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.