MLS-DBT

Introduction

MLS-DBT is a double treated, reverse treat foil. MLS-DBT eliminates the need for an oxide treatment and provides an opportunity to improve throughput and yield on thin laminates. The VLP surface combined with improved etching characteristics increase performance of controlled impedance designs and breaks the "5 mil" barrier associated with DBT's.

Benefits

- Fine lines and spaces - 5 mils or less
- Reduced processing costs
- Compatible with ammoniacal etchants
- Micro-treated re-lamination side reduces resist lock-in

Typical Physical Characteristics

Oak-Mitsui foils meet all requirements of IPC-4562

Nominal Thickness		microns	18	35	70
Area Weight		oz/ft²	1/2	1	2
Tensile	ambient	Kpsi	60	55	52.5
	180°C	Kpsi	30	30	30
Elongation	ambient	%E	8	15	20
	180°C	%E	8	8	8
Roughness	drum	Ra	125	125	125
	matte	Rmax	175	250	400
Peel Strength B Epoxy, Tg 170°C	drum	lbs/in	6	8	8.5
	matte	lbs/in	5.5	6	7

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