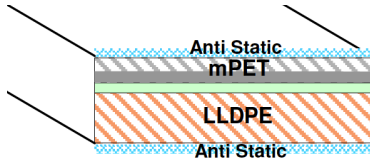


Exclusive USA / European representative
for Senawang Laminating Technologies



SL1130B Static Shielding Laminate



SL1130B is a metal-in static shielding laminate designed and manufactured for general purpose ESD applications. While it is free of primary amines, amides and silicone compounds it is not recommended for clean room packaging.

PHYSICAL PROPERTIES	TEST METHOD	US STANDARD	METRIC
Thickness*	ASTM D374	3.0 mil	75.0 $\mu\text{m} \pm 10\%$
Optical Density*	Densitometer (MPET only)	0.4	
Light Transmittance*	Densitometer (MPET only)	40%	
Basis Weight*		45.4 lbs/ream	74.0 $\text{g}/\text{m}^2 \pm 10\%$
Yield		66.0 ft^2/lb 9500 in^2/lb	13.5 m^2/kg
Tensile Strength MD* TD*	ASTM D882	5950 psi 5650 psi	41.0 MPa 40.0 MPa
Elmendorf Tear Resistance MD* TD*	ASTM D1922		85 gf 200 gf
Graves Strength MD* TD*	ASTM D1004		925 gf 1300 gf
Spencer Impact*	ASTM D3420		3800 gf
Puncture Resistance*	FTMS 101C Method 2065	12.0 lbf	5400 gf
Heat Seal Range	ASTM F88-99	275°F - 500°F	135°C - 260°F
Seal Strength (min.)	ASTM F88-99 (185°C, 1s, 4 bar)	> 10.0 lbf	> 4500 gf
ELECTRICAL PROPERTIES	TEST METHOD	SPECIFICATIONS	
Surface Resistance	EOS/ESD S11.11	> 1×10^5 and < $1 \times 10^{11} \Omega$	
Surface Resistivity	EOS/ESD S11.11	> $1 \times 10^6 \Omega/\text{sq}$ and < $1 \times 10^{12} \Omega/\text{sq}$	
Capacitive Probe	EIA-541	< 25 V	
Electrostatic Decay	FTMS 101 Method 4046	< 0.05 s	
Energy Test*	EOS/ESD S11.31	< 30 nJ	

*Average values given.

Shelf Life: The shelf life of this is one year under normal warehouse conditions. Extreme hot or cold temperatures and humidity can cause a reduction in the shelf life.

Disclaimer: The above information is presented in good faith is based on a limited number of samples taken from normal production materials. Actual test values may vary from information presented. MacPac, Inc. and Senawang Laminating Technologies Sdn. Bhd. reserve the right to change the specification at anytime without prior notification. MacPac, Inc. and Senawang Laminating Technologies Sdn. Bhd. assume no liability, expressed or implied, for fitness of use of this product in any application. Users of this material are strongly encouraged to test its fitness of use in their processes and applications.