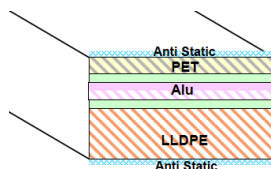


Exclusive USA / European representative
for Senawang Laminating Technologies



SL3064A Moisture Barrier Laminate



SL3064A is a shiny side out polyester/aluminium foil based moisture barrier laminate designed for ESD applications. The construction has been designed to minimize some forms of contamination including outgassing and non-volatile residues. It is free of chlorinated solvents, primary amines, amides, and silicone compounds.

PHYSICAL PROPERTIES	TEST METHOD	US STD.	METRIC
Thickness*	ASTM D374	6.4 mil	166.0 $\mu\text{m} \pm 10\%$
Basis Weight*		104.6 lbs/ream	170.4 $\text{g/m}^2 \pm 10\%$
Yield		29.0 ft^2/lb 4100 in^2/lb	5.9 m^2/kg
Tensile Strength MD* TD*	ASTM D882	3915 psi 3770 psi	27.0 MPa 26.0 MPa
Elmendorf Tear Resistance MD* TD*	ASTM D1922		270 gf 380 gf
Graves Strength MD* TD*	ASTM D1004		1900 gf 2300 gf
Spencer Impact*	ASTM D3420		3200 gf
Puncture Resistance*	FTMS 101C Method 2065	15.0 lbf	6800 gf
Moisture Vapor Transmission Rate	ASTM F1249	<0.0003 $\text{g}/100 \text{ in}^2/\text{day}$	0.005 $\text{g}/\text{m}^2/\text{day}$
Heat Seal Range	ASTM F88-99	275°F - 500°F	135°C - 260°F
Seal Strength (min.)	ASTM F88-99 (215°C, 1s, 4 bar)	> 15.4 lbf	> 7000 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	> $1 \times 10^5 \Omega/\text{sq}$ and < $1 \times 10^{11} \Omega/\text{sq}$	
Capacitive Probe	EIA-541	< 25 V	
Electrostatic Decay	FTMS 101 Method 4046	< 0.05 s	
Energy Test*	EOS/ESD S11.31	< 5 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 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.