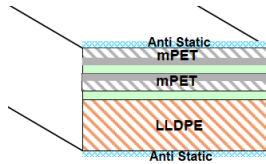


Exclusive USA / European representative
for Senawang Laminating Technologies



SL2070A Moisture Barrier Laminate



SL2070A is a double metallized polyester based moisture barrier laminate with two layers of 12µm mPET. The construction has been designed to minimize some forms of contamination including outgassing, and non-volatile residues in ESD applications. It is free of chlorinated solvents, primary amines, amides and silicone compounds.

PHYSICAL PROPERTIES	TEST METHOD	US STD.	METRIC
Thickness*	ASTM D374	7.0 mil	177.0 µm ± 10%
Optical Density*	Densitometer (MPET only)	>5.0	
Basis Weight*		108.1 lbs/ream	176.6 g/m ² ± 10%
Yield		28.0 ft ² /lb 4030 in ² /lb	5.7 m ² /kg
Tensile Strength MD* TD*	ASTM D882	4785 psi 5510 psi	33.0 MPa 38.0 MPa
Elmendorf Tear Resistance MD* TD*	ASTM D1922		180 gf 310 gf
Graves Strength MD* TD*	ASTM D1004		1850 gf 1800 gf
Spencer Impact*	ASTM D3420		> 6400 gf
Puncture Resistance*	FTMS 101C Method 2065	23.0 lbf	10500 gf
Moisture Vapor Transmission Rate	ASTM F1249	< 0.02 g/100 in ² /day	< 0.3 g/m ² /day
Heat Seal Range	ASTM F88-99	275°F - 500°F	135°C - 260°F
Seal Strength (min.)	ASTM F88-99 (200°C, 1s, 4 bar)	> 15.4 lbf	> 7000 gf
ELECTRICAL PROPERTIES	TEST METHOD	SPECIFICATIONS	
Surface Resistance	EOS/ESD S11.11	> 1x10 ⁵ and < 1 x 10 ¹¹ Ω	
Surface Resistivity	EOS/ESD S11.11	> 1x10 ⁵ Ω/sq and < 1 x 10 ¹¹ Ω/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.