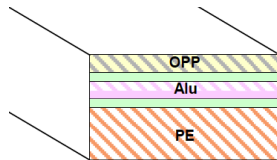


*Exclusive USA / European representative  
for Senawang Laminating Technologies*



## SL10250E Moisture Barrier Laminate



SL10250E is a OPP/ aluminum foil moisture barrier laminate. It is free of primary amines, amides, and silicone compounds.

PHYSICAL PROPERTIES	TEST METHOD	US STD.	METRIC
Thickness*	ASTM D374	5.0 mil	127.0 $\mu\text{m} \pm 10\%$
Basis Weight*		82.3 lbs/ream	134.0 $\text{g}/\text{m}^2 \pm 10\%$
Yield		36.4 $\text{ft}^2/\text{lb}$ 5246 $\text{in}^2/\text{lb}$	7.5 $\text{m}^2/\text{kg}$
Tensile Strength MD* TD*	ASTM D882	6091 psi 12183 psi	42.0 MPa 84.0 MPa
Elmendorf Tear Resistance MD* TD*	ASTM D1922		150 gf 250 gf
Graves Strength MD* TD*	ASTM D1004		1400 gf 1600 gf
Spencer Impact*	ASTM D3420		4000 gf
Puncture Resistance*	FTMS 101C Method 2065	24.0 lbf	10900 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	340°F - 500°F	170°C - 260°F
Seal Strength (min.)	ASTM F88-99 (200°C, 1s, 4 bar)	> 11.0 lbf	> 5000 gf

\*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.