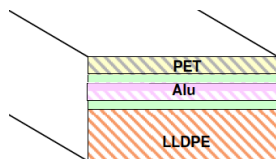


Exclusive USA / European representative  
for Senawang Laminating Technologies



## SL7043A Moisture Barrier Laminate



SL7043A is a polyester/aluminum foil based moisture barrier laminate designed for general purpose applications. The construction has been designed to be economical yet effective moisture barrier for a variety of goods. The COF of the sealant layer can be modified to suit the end-users needs.

PHYSICAL PROPERTIES	TEST METHOD	US STD.	METRIC
Thickness*	ASTM D374	4.3 mil	109.0 $\mu\text{m} \pm 10\%$
Basis Weight*		72.8 lbs/ream	119.0 $\text{g/m}^2 \pm 10\%$
Yield		41.2 $\text{ft}^2/\text{lb}$ 5908 $\text{in}^2/\text{lb}$	8.4 $\text{m}^2/\text{kg}$
Tensile Strength MD* TD*	ASTM D882	5800 psi 5075 psi	40.0 MPa 35.0 MPa
Elmendorf Tear Resistance MD* TD*	ASTM D1922		144 gf 240 gf
Graves Strength MD* TD*	ASTM D1004		1350 gf 1900 gf
Spencer Impact*	ASTM D3420		2800 gf
Puncture Resistance*	FTMS 101C Method 2065	13.0 lbf	5900 gf
Moisture Vapor Transmission Rate	ASTM F1249	< 0.0003 $\text{g}/100 \text{ in}^2/\text{day}$	< 0.005 $\text{g}/\text{m}^2/\text{day}$
Oxygen Gas Transmission Rate	ASTM D 3985-05 (23°C, 0% RH)	< 0.005 $\text{cc}/100 \text{ in}^2/\text{day}$	< 0.0775 $\text{cc}/\text{m}^2/\text{day}$
Heat Seal Range	ASTM F88-99	340°F - 500°F	170°C - 260°F
Seal Strength (min.)	ASTM F88-99 (215°C, 1s, 4 bar)	> 13.2 lbf	> 6000 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.