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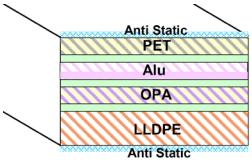
Exclusive USA / European representative for Senawang Laminating Technologies

SENAWANG Laminating Technologies

SL4240A Moisture Barrier Laminate



SL4240A is a shiny side out nylon/foil moisture barrier laminate designed for ESD applications. The construction has been designed to resist puncture and minimize some forms of contamination including outgassing, and non-volatile residues. It is free of primary amines, amides and silicone compounds.

PHYSICAL PROPERTIES	TEST METHOD	US STD.	METRIC
Thickness*	ASTM D374	4.0 mil	101.0 µm ± 10%
Basis Weight*		71.9 lbs/ream	117.0 g/m^2 ± 10%
Yield		41.7 ft^2/lb 6009 in^2/lb	8.5 m^2/kg
Tensile Strength MD* TD*	ASTM D882	 10152 psi 10152 psi	 70.0 MPa 70.0 MPa
Elmendorf Tear Resistence MD* TD*	ASTM D1922		 120 gf 120 gf
Graves Strength MD* TD*	ASTM D1004		 1700 gf 1700 gf
Spencer Impact*	ASTM D3420		> 6000 gf
Puncture Resistance*	FTMS 101C Method 2065	28.0 lbf	12700 gf
Moisture Vapor Transmission Rate	ASTM F1249	< 0.0003 g/100 in^2/day	< 0.005 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)	> 13.2 lbf	> 6000 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.

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