

# Comparative Weights of Selected Covering Materials

The following weights are accurate enough to provide a good standard for comparison. Most of the weights shown below were obtained from the website [www.modelflight.com](http://www.modelflight.com). Your friendly editor has added the undoped tissue weights, and for those into gram measurements, calculated the grams per square yard for each material. Don't plan on using a square yard? Just divide by 9 to get the square foot weight. You should keep in mind that there may be small differences between samples of the same material due to manufacturing processes, dyes, etc. Remember, the lighter the airplane, the better it flies and the softer it hits the ground!

MATERIAL	GRAMS/5 SQ. IN.	OZ./SQ. YD.	Grams/SQ. YD.
White Asaki Japanese Tissue, Not Doped	0.0390	.36	10.2
Nonmetallic EasyBuilt Lite Tissue —Not Doped	0.0533	0.488	13.81
Metallic Easy Built Lite Tissue — Not Doped	0.0592	0.545	15.424
Nelson Lite Film (British) Incl. Adhesive	0.066	0.6	16.98
Airspan	0.074	0.673	19.046
Litespan	0.093	0.849	24.027
Light Colored Japanese Tissue/3 thin coats Nitrate	0.0955	0.873	24.706
Colored Micafilm	0.1128	1.031	29.177
Light White Silk/5 coats Nitrate	0.124	1.134	32.092
Ultracote Transparent Lite	0.1268	1.161	32.868
Fibafilm	0.1345	1.23	34.809
Colored Skysail/4 coats Butyrate	0.1767	1.615	45.705
Black Silkspan/5 coats thin Nitrate	0.1811	1.656	46.865
Colored Transparent Monokote	0.1843	1.685	47.686
White Japanese Tissue /4 coats 50/50 Butyrate	0.2389	2.184	61.807
Colored Nylon/6 coats 50/50 Butyrate	0.2395	2.19	61.977
Opaque Colored Monokote	0.2432	2.224	62.939
Coverite 21st Century Film	0.2526	2.31	65.373
White Super Coverite	0.2625	2.4	67.92
Colored Super Coverite	0.2953	2.7	76.41
Polyspan/6 coats clear dope+trim*	0.324	3	84

\*Per Jim Burkdull in MMFC Sam 1 Exhibits, 5/01

