

Vivace 100" glider materials list

Qty	Part Num	Description	Material	Cost each	Cost	Source
1		1/4 OD x 12 6061-T6 Round Aluminum Rod	Aluminum	3.56	3.56	Amazon.com
1		1/16" ID x 12" Brass Round Tubing	Brass	6.00	6.00	Amazon.com
1		0.3125" OD, 0.2565" ID, 0.028" x 12" Brass Round Tubing	Brass	4.00	4.00	Amazon.com
4	31631636	3/32" x 3/16 x 36 hard balsa wood	Balsa	0.19	0.76	National Balsa
6		1/16 X 3 X 36 balsa for D-box sheeting	Balsa	0.90	5.40	National Balsa
1	332336CT	3/32 x 3 x 36 Aero Light Balsa	Balsa	1.74	1.74	National Balsa
1		1/8 x 3 x 36 Balsa	Balsa	2.00	2.00	National Balsa
8	181836	1/8 x 1/8 x 36 balsa wood	Balsa	0.16	1.28	National Balsa
2	18136	1/8 x 1 x 36 balsa wood	Balsa	0.70	1.40	National Balsa
3	31631636	3/16 x 3/16 x 36 balsa wood	Balsa	0.19	0.57	National Balsa
1	14436CT	1/4 x 3 x 36 Aero Light Balsa	Balsa	5.77	5.77	National Balsa
1	316336CT	3/16 x 3 x 36 Aero Light Balsa	Balsa	2.78	2.78	National Balsa
3		3/32" x 3/16 x 36 hard balsa	Hard balsa	0.50	1.50	National Balsa
3		1/8 x 1/8 x 36" Balsa	Balsa	0.40	1.20	National Balsa
4		1/4 X 36 Triangle stock balsa	Balsa	0.80	3.20	National Balsa
3	14136TE	1/4 x 1 x 36 TRAILING EDGE	Balsa	0.59	1.77	National Balsa
1	BCS-07	14" Fiberglass braided sleeve (must expand to 1.5" diameter)	Fiberglass	2.00	2.00	APC
1	WF-06B	.73 oz. Fiberglass Cloth 50" x 1 Yd	Fiberglass	12.00	12.00	APC
1	WF-XS-207	2 oz. Fiberglass Cloth 38" x 1 Yd	Fiberglass	6.75	6.75	APC
1	K770	12" Kevlar braided sleeve (must expand to 2" diameter)	Kevlar	3.80	3.80	CST
1		2 X1 X 12 Balsa BLOCK	MEDIUM Balsa	1.99	1.99	National Balsa
3		1/16 X 1/4 X 36 (TE edge)	Spruce	1.00	3.00	National Balsa
1	UP-10-0	3K Kevlar Ribbon (Tow) 100 Ft.	Kevlar	9.00	9.00	APC
1	CL2-33	CF laminate - .014" x 1" 36"	Carbon Fiber	1.44	1.44	APC
2	CL6-42	0.060" x 0.5" x 48" Rectangular Carbon Fiber Laminate	Carbon Fiber	6.33	12.66	APC
1		CF laminate - 0.04 X 0.5 x 36	Carbon Fiber	7.79	7.79	
1	BCS-07	Allegro CF tapered boom (32" length)	Carbon Fiber	33.00	33.00	Mountain Models
2	CLT7-41A	0.007" to .028" to .007" x 0.375" X 72 CLT7 Rectangular Tapered Carbon Fiber Laminate	Carbon Fiber	3.45	6.90	APC
2		control push rods in sleeves		2.50	5.00	Art Hobby
1		Elliptical 100" Electric Short Kit laser cutting	Balsa and Ply	88.00	88.00	National Balsa
2		Rolls Covering material		15.00	30.00	
		Assorted hardware			10.00	
TOTAL					266.70	