



Table Name: Composite Parts for the Allegro

Table Description: Composite Parts for the Allegro not including the fuse pod materials

Part	Description	Quantity	Type	Supplier (s)	Part Number	Retail Price	Notes	Inches
Fumed silica thickener	Cabosil	1	composite	CST, ACP	EF-01	6.00 \$/2oz		Yes
Joiner	11/32 carbon rod	1	composite	ACP	R-20A	9.00	see joiner.pdf for details of possible cut by ACP	yes
Kevlar tow	2 x 30 feet	14 yards	composite	ACP	C-07 or C-07	10.00 or 15.00	ACP 3k tow (60 ft package)	yes
Push rod housing	48 0.050-size Teflon housing	1 for two kits	composite	CST	T3050	2.50	stretched, One 48 inch length will yield 4 housings for 2 gliders. Pat not going to cut. each kit will get full 48 inches.	yes
Tail boom	0.58->0.38 OD	1	composite	ACP	TU-10	28.00	3 plies uni CF, light glass scrim See http://www.egroups.com/files/Allegro-Lite/boom_stiffness.txt	yes
V-mount	3.0 oz or 5.0 oz carbon cloth	1	composite	Mark D.			Mark making the v mount from mold :) Pat with kits where quantities permit?	yes
hings	0.8 oz Kevlar 3/8 x 11		composite	Mark D.			Mark to supply, Pat will ship with kit.	yes
pushrod hold-down	0.75 oz fiberglass	1	composite				scraps	NO
rear joiner pin	1/16 inch carbon rod	1	composite	ACP or CST			2 in. Pat cut from standard stock and ship	yes
spar wetting	Low-viscosity laminating epoxy		composite	CST			< 1 oz	yes
various reinforcements	2.0 oz fiberglass		composite				Scraps. The smallest hobby shop packet is plenty.	NO
wing center carbon cap	1/2 x 48 x 0.028 -> 0.007 dbl taper	1	composite	ACP	CLT5-42	9.50		yes
wing center carbon cap	1/2 x 36 x 0.014 constant	1	composite	ACP	CL2-32	6.00		yes
wing outer carbon cap	3/8 x 48 x 0.028 -> 0.007 dbl taper	1	composite	ACP	CLT5-41A	7.50		yes