

	T300 Hot Air				T300 Hot Wedge				Impulse				Triad			
	Tape	Heat (Celsius)	Speed (m/min)	Tensile lbf	Tape	Heat (Celsius)	Speed (m/min)	Tensile lbf	Tape	Heat Time (sec)	Cool Down (sec)	Tensile lbf	Tape	Heat (Celsius)	Speed (%)	Tensile lbf
Top Gun Top Gun 9	AWT875 (Miami)	500	2	80.12	AWT875 (Miami)	400	2	70.26*	AWT875 (Miami)	22	36	77	AWT875 (Miami)	530	20	150.21*
	Fabric Bond (TV)	500	3	78.6	Fabric Bond (TV)	405	2	66.9*	Fabric Bond (TV)	22	36	57	Fabric Bond (TV)	530	20	>200*
	KSBHE (Keyston)	500	2	90.72*	KSBHE (Keyston)	400	2	84.94*	KSBHE (Keyston)	22	36	32	KSBHE (Keyston)	530	15	200*
				NO TAPE		435	3	97.28*								
Top Gun FR Top Gun FR Lite	AWT875 (Miami)	500	2	104.78*	AWT875 (Miami)	405	2	79.1*	AWT875 (Miami)	22	30	156	AWT875 (Miami)	530	10	>200*
	Fabric Bond FR (TV)	500	2	99.84	Fabric Bond FR (TV)	400	2	77.42*	Fabric Bond FR (TV)	22	30	98.5	Fabric Bond FR (TV)	530	20	>200*
	KSBHE (Keyston)	500	2	107.08	KSBHE (Keyston)	405	2	71.54*	KSBHE (Keyston)	22	30	127	KSBHE (Keyston)	530	10	>200*
				NO TAPE				NO TAPE	22	36	90.6					
Top Gun 1S	Weld was not strong				AWT875 (Miami)	450	4.5	94.4	AWT875 (Miami)	15	30	54	Weld was not strong			
					Fabric Bond (TV)	450	4.5	97	Fabric Bond (TV)	15	30	37				
					KSBHE (Keyston)	450	4.5	89.6	KSBHE (Keyston)	15	30	28				
Top Notch Top Notch 9	AWT875 (Miami)	550	3	173.23*	AWT875 (Miami)	435	3	169.71*	AWT875 (Miami)	22	30	193*	AWT875 (Miami)	520	35	105.95*
	Fabric Bond (TV)	550	4	167.68*	Fabric Bond (TV)	435	3	193.21*	Fabric Bond (TV)	22	30	232*	Fabric Bond (TV)	520	35	113*
	KSBHE (Keyston)	550	3	178.33*	KSBHE (Keyston)	435	2	146.1*	KSBHE (Keyston)	22	30	58	KSBHE (Keyston)	520	35	77*
Top Notch 1S	AWT875 (Miami)	500	2.5	167.2*	AWT875 (Miami)	435	3.4	198*	AWT875 (Miami)	16	30	19	AWT875 (Miami)	520	35	78*
	Fabric Bond (TV)	500	3.7	184.3*	Fabric Bond (TV)	435	2.6	>200*	Fabric Bond (TV)	16	30	14	Fabric Bond (TV)	520	35	68*
	KSBHE (Keyston)	500	3.2	160*	KSBHE (Keyston)	435	3	198.1*	KSBHE (Keyston)	16	30	26	KSBHE (Keyston)	520	35	78*
Top Notch FR	No Tape	650	5.2	168.7*	No Tape	435	6	>200*	AWT875 (Miami)	22	30	193	No Tape	530	25	>200*
								Fabric Bond FR (TV)	22	30	143.1					
								KSBHE (Keyston)	22	30	114					
Odyssey Odyssey Lite	AWT875 (Miami)	450	2.5	58.61	Fabric Bond (TV)	450	2	73.43*	AWT875 (Miami)	15	30	58	AWT875 (Miami)	520	35	68*
	Fabric Bond (TV)	Unable to Acheive Bond			KSBHE (Keyston)	450	3	57.53	Fabric Bond (TV)	15	30	49	Fabric Bond FR (TV)	520	35	62*
	KSBHE (Keyston)	Unable to Acheive Bond			AWT875 (Miami)	450	3	62.02*	KSBHE (Keyston)	15	30	61	KSBHE (Keyston)	520	35	38*
Odyssey FR	AWT875 (Miami)	450	3	101.34*	AWT875 (Miami)	400	3	56.25*	AWT875 (Miami)	15	30	90	AWT875 (Miami)	520	35	65*
	Fabric Bond FR (TV)	450	2	84.32*	Fabric Bond FR (TV)	400	4	105*	Fabric Bond FR (TV)	15	30	61.6*	Fabric Bond FR (TV)	520	35	85.8*
	KSBHE (Keyston)	450	2.5	105.48*	KSBHE (Keyston)	400	2.5	72.35*	KSBHE (Keyston)	15	30	64	KSBHE (Keyston)	520	35	80*

*indicates fabric broke during tensile test and not the weld

Top Notch 1S, Odyssey & Odyssey Lite weld better with coated side up on wedge and hot air

Top Gun can be welded without tape and without sanding using the hot wedge

Please note that settings on impulse machine can vary depending on how "warmed up" the machine is that given day

Tensile tester stops recording at 200 but continues to pull fabric. Items with ">200" means the break happened after the reading on the machine topped at at 200 but still kept pulling.