

Comparing Hexcel and Interglas fabrics for Rutan Derivative Aircraft

Brand		Hexcel	Interglas	Hexcel	Interglas
Style		7725	92125	7715	92145
Type of yarns	Warp	EC9 68	EC9-68x3	EC9 68	EC9-68x5
	Fill	EC11 204	EC9-204	EC9 33	EC7-22
Weight, dry		298g/m2	280g/m2	247g/m2	220g/m2
Weave Style		2/2 Twill	2/2 Twill	Modified Plain	Plain
Count	Warp	21.3/cm	7/cm	31.5/cm	6/cm
	Fill	7.1/cm	6.5/cm	7.1/cm	7/cm
Thickness		0.24mm	0.25mm	0.20mm	0.26mm
Yarn Strength	Warp	300lbf/in	337lbf/in	450lbf/in	480lbf/in
	Fill	300lbf/in	311lbf/in	80lbf/in	57lbf/in

Decoding SI units

E	E-glass (S=High Strength, C=Chemical)
C	Continuous filament (S=Staple Fiber, T=Textured)
9	diameter in microns
68	grams per 1000m
x3	Number of strands per thread (usually twisted)