

Pietenpol Airfoil

Original points from 32 Flying and Glider Manual, splined with additional points added.

Processed with XFOIL

KSH, 16 OCT 2002

Alpha	Re=1,600,000 (35 mph, SL, c=5 ft)			Re=3,500,000 (75 mph, SL, c=5 ft)			Re=4,700,000 (100 mph, SL, c=5ft)	
	Cl	Cm	Cd	Cl	Cm	Cd	Cl	Cm
-4	0.1536	-0.0932	0.00962	0.1494	-0.0924	0.00706	0.1474	-0.0921
-2	0.3781	-0.0935	0.00759	0.3766	-0.0933	0.00668	0.3765	-0.0934
0	0.6013	-0.0943	0.00699	0.6018	-0.0944	0.00695	0.601	-0.0944
1	0.7119	-0.0948	0.00729	0.707	-0.0943	0.00749	0.7079	-0.0945
2	0.8087	-0.0929	0.00691	0.8177	-0.0949	0.0079	0.8205	-0.0954
3	0.9177	-0.0938	0.00815	0.9227	-0.0948	0.00714	0.9305	-0.0964
4	1.0248	-0.0939	0.00881	1.0357	-0.096	0.00753	1.0391	-0.0967
6	1.2041	-0.0891	0.01284	1.2246	-0.0926	0.01105	1.2316	-0.0939
8	1.377	-0.0834	0.01615	1.4141	-0.0898	0.01356	1.4274	-0.0921
10	1.4898	-0.0702	0.02173	1.5665	-0.0813	0.01685	1.5948	-0.0861
11	1.524	-0.0637	0.02676	1.6239	-0.0753	0.01944	1.6497	-0.079
12	1.5361	-0.0578	0.03447	1.6723	-0.0697	0.02303	1.6895	-0.0716

Cd

0.00664

0.00634

0.00688

0.0073

0.00753

0.00713

0.00714

0.01044

0.01258

0.01539

0.01786

0.02177