

AEROTECH F63

CERTIFIED VALUES

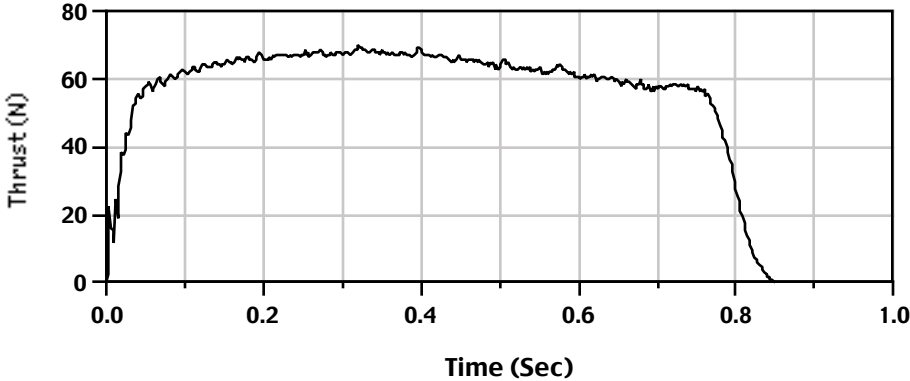
Total Impulse: 49.50 Newton-seconds
 Delays: 10 Seconds
 Propellant Type: R - Redline
 Propellant Mass: 27.6 grams
 Casing Dimensions: 24 mm ×95 mm
 CertificationDate: 17-December-4
 CertificationType: Model Rocket

STATIC TEST DATA

Date Tested: 17-December-3
 Total Impulse: 49.50 Newton-sec (1.06)
 Peak Thrust: 69.94 Newtons (1.60)
 Burn Time: 00.85 Seconds (0.01)
 Average Thrust: 58.06 Newtons
 Mass After Firing: 48.8 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
10	8.60	82.2 g	

TYPICAL THRUST-TIME CURVE



REMARKS



	Aero F63		TESTED 12/3/17			
FILE NAME	ENGINE TYPE	TOTAL IMPULSE	MAX THRUST	AVG THRUST	BURN TIME	DELAY TIME
AT171221	F63-10	49.725	67.923	57.420	0.866	8.112
AT171222	F63-10	FIX CURVE				
AT171223	F63-10	49.510	72.145	59.794	0.828	8.612
AT171224	F63-10	50.255	71.848	59.685	0.842	8.126
AT171225	F63-10	50.058	71.568	58.207	0.860	8.904
AT171226	F63-10	48.190	68.631	57.370	0.840	9.152
AT171227	F63-10	46.766	66.941	55.019	0.850	8.520
AT171228	F63-10	49.737	69.005	58.514	0.850	8.650
AT171229	F63-10	50.463	70.121	58.815	0.858	8.402
AT171230	F63-10	49.790	70.180	57.495	0.866	8.918
AT171231	F63-10	50.527	69.878	58.752	0.860	8.790
AT171232	F63-10	49.495	71.059	57.552	0.860	8.362
	AVG	49.50	69.94	58.06	0.85	8.60
	STD	1.06	1.60	1.27	0.01	
	STD %	2.13	2.29	2.18	1.34	