

AEROTECH D15

CERTIFIED VALUES

Total Impulse: 20 newton-seconds
Delays: 4, 6, 8 seconds

Propellant Type: Composite
Propellant Mass: 8.9 grams

Casing Dimensions: 24 mm × 70 mm

Certification Date: 93-December-23
Contest Use Date: 94-March-23

Certification Type: Model Rocket

STATIC TEST DATA

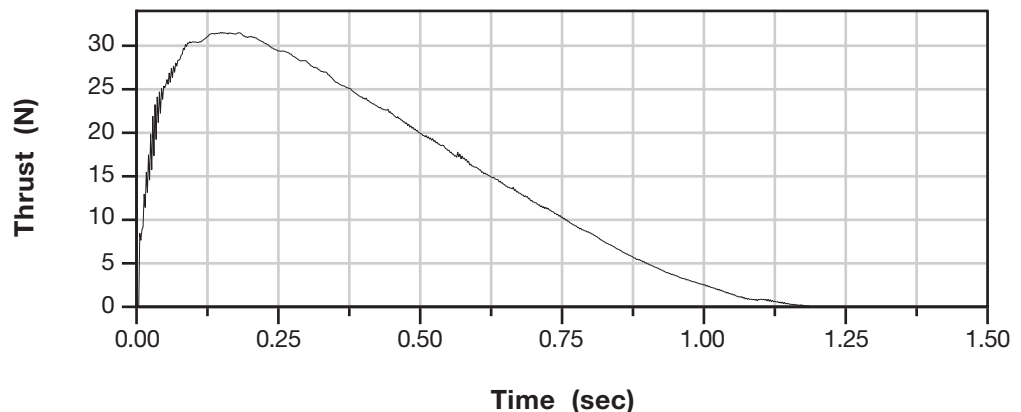
Date Tested: 92-August-30

Total Impulse: 18.96 newton-seconds (σ 0.27)
Peak Thrust: 31.36 newtons (σ 1.12)
Burn Time: 1.15 seconds (σ 0.02)
Average Thrust: 16.49 newtons

Mass After Firing: 32.2 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
4	3.55	45.4 g	454 g
6	5.79	46.2 g	318 g
8	8.22	46.9 g	227 g

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-24/40 Reload System and AeroTech D15 Reload Kit. No substitutions allowed.

; Aerotech D15 RASP.ENG file made from NAR published data
; File produced July 4, 2000
; The total impulse, peak thrust, average thrust and burn time are
; the same as the averaged static test data on the NAR web site in
; the certification file. The curve drawn with these data points is as
; close to the certification curve as can be with such a limited
; number of points (32) allowed with wRASP up to v1.6.

D15	24	70	4-6-8	.0089	.0462	A
0.014	11.480					
0.049	26.272					
0.081	30.087					
0.107	31.261					
0.121	31.249					
0.159	31.360					
0.208	31.249					
0.283	29.583					
0.439	23.353					
0.551	18.484					
0.675	13.430					
0.863	6.422					
0.938	3.892					
1.010	2.335					
1.085	0.778					
1.142	0.389					
1.150	0.000					

