AEROTECH E16

CERTIFIED VALUES

Total Impulse: 40 newton-seconds
Delays: 4, 7, 10 seconds

Propellant Type: Composite
Propellant Mass: 19.0 grams

Casing Dimensions: 29 mm × 124 mm

Certification Date: 94-February-28
Contest Use Date: 94-May-29

Certification Type: Model Rocket

STATIC TEST DATA

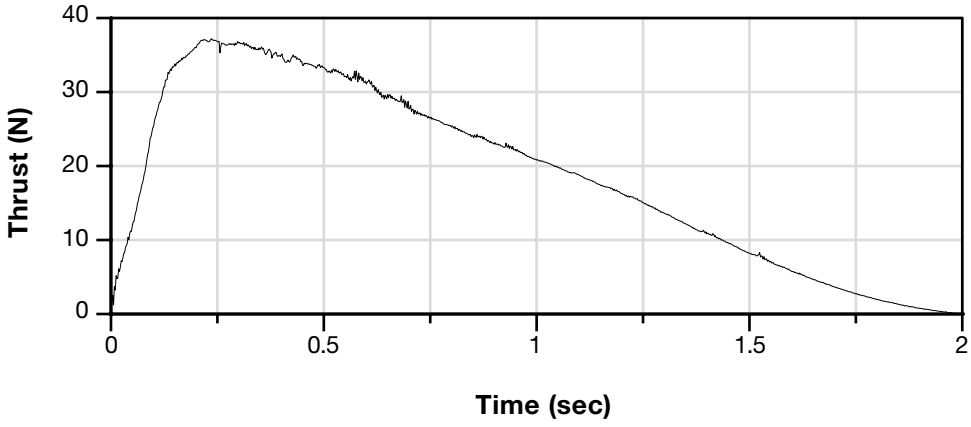
Date Tested: 94-February-27

Total Impulse: 37.67 newton-seconds (σ 0.85)
Peak Thrust: 37.20 newtons (σ 1.91)
Burn Time: 2.00 seconds (σ 0.09)
Average Thrust: 18.84 newtons

Mass After Firing: 31.5 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
4	3.86	107.8 g	454 g
7	6.55	109.0 g	269 g
10	10.90	108.9 g	156 g

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-29/40–120 Reload System and AeroTech E16 Reload Kit. No substitutions allowed.

Updated: 8/96

; Aerotech E16 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.
E16 29 124 4-7-10 .0190 .1086 A
0.132 32.223
0.221 37.200
0.255 36.699
0.306 36.699
0.371 35.357
0.414 33.785
0.437 34.906
0.472 33.785
0.530 32.894
0.553 31.772
0.576 32.443
0.638 29.309
0.720 27.296
0.867 23.942
1.083 19.245
1.273 14.319
1.458 9.397
1.513 8.055
1.524 8.279
1.555 6.936
1.656 4.474
1.814 1.790
2.000 0.000