

ANIMAL MOTOR WORKS N2700

CERTIFIED VALUES

Total Impulse: 11,452.32 newton-seconds
Delays: P

Propellant Type: Composite / Blue Baboon
Propellant Mass: 5,147.1 grams

Casing Dimensions: 98 mm × 870 mm

Certification Date: 06-May-1

Certification Type: High Power Rocket

STATIC TEST DATA

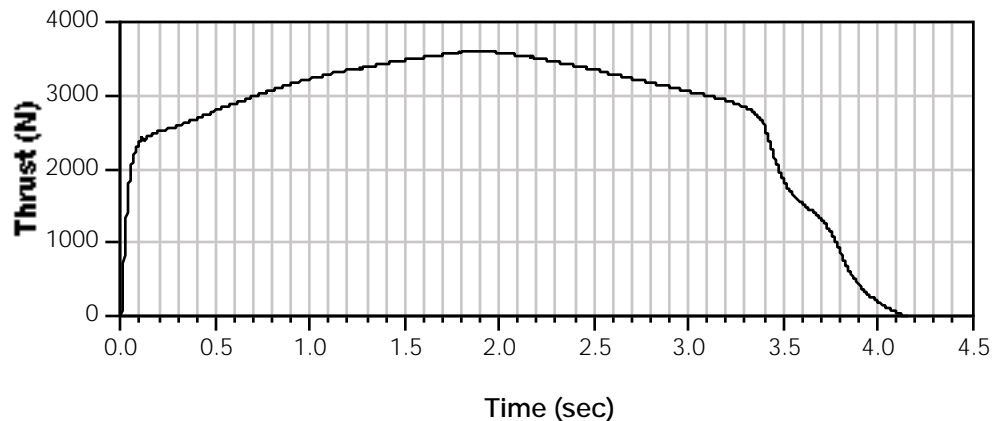
Date Tested: 06-April-14

Total Impulse: 11,452.32 newton-seconds (63.70)
Peak Thrust: 3622.57 newtons (270.27)
Burn Time: 4.15 seconds (0.08)
Average Thrust: 2758.14 newtons

Mass After Firing: 4783.7 grams

Delay Time	Average Measured Delay	Initial Mass
P	NONE	9930.8 g

TYPICAL THRUST-TIME CURVE



REMARKS

Consists of the Animal Motor Works 98- 11000 motor and Animal Motor Works N2700BB-P reload kit. No substitutions allowed.


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;
; ANIMAL MOTOR WORKS N2700BB RASP.ENG FILE
; 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.

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      N2700  98  870  P   5.147   9.931   AMW
0.042 1392.589
0.069 2020.757
0.102 2343.357
0.155 2462.579
0.358 2666.959
0.647 2923.436
1.027 3230.006
1.276 3367.261
1.525 3486.483
1.735 3589.675
1.945 3622.570
2.180 3523.552
2.462 3405.332
2.730 3254.051
2.985 3084.736
3.208 2966.516
3.326 2848.296
3.384 2696.013
3.430 2437.908
3.468 2067.945
3.514 1796.340
3.605 1541.867
3.684 1389.583
3.742 1169.174
3.820  778.547
3.905  439.216
3.976  252.669
4.074  117.217
4.150   0.000

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