

CERTIFIED VALUES

Total Impulse: 6.5 newton-seconds
Delays: 0, 3, 5 seconds

Propellant Type: Black Powder
Propellant Mass: 12.0 grams

Casing Dimensions: 18 mm x 70 mm

Certification Date: Continuing
Contest Use Date: Continuing

Certification Type: Model Rocket

STATIC TEST DATA

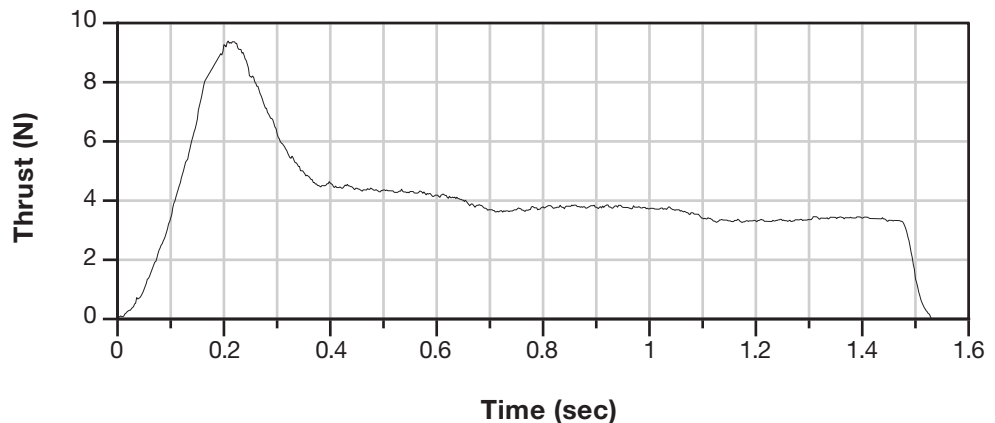
Date Tested: 94-December-4

Total Impulse: 6.22 newton-seconds (σ 0.36)
Peak Thrust: 9.39 newtons (σ 2.08)
Burn Time: 1.53 seconds (σ 0.08)
Average Thrust: 4.07 newtons

Mass After Firing: 11.2 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
0	0.00	20.7 g	113.4 g
3	3.12	20.9 g	113.4 g
5	5.70	23.0 g	113.4 g

TYPICAL THRUST-TIME CURVE



REMARKS