

AEROTECH E45

CERTIFIED VALUES

Total Impulse: 40 newton-seconds
Delays: 4, 8, 12 seconds

Propellant Type: Composite
Propellant Mass: 19.2 grams

Casing Dimensions: 18 mm x 107 mm

Certification Date: 89-October-1
Contest Use Date: 90-January-1

Certification Type: Model Rocket

STATIC TEST DATA

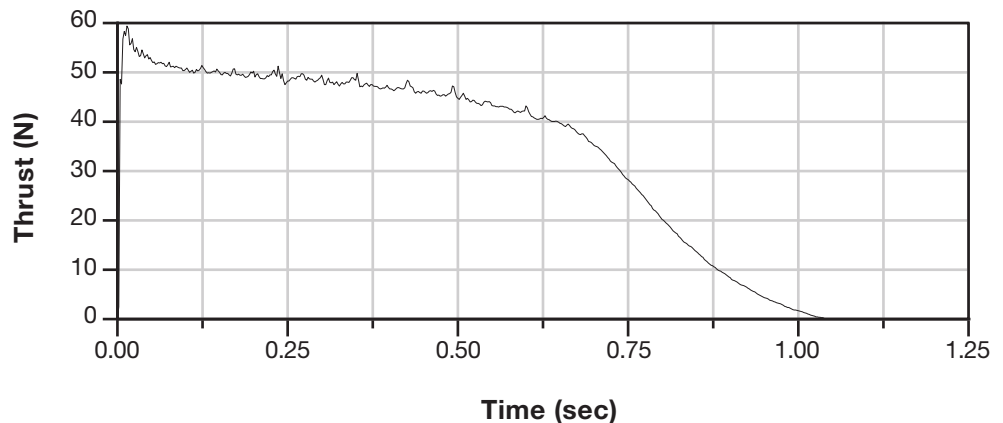
Date Tested: 95-April-22

Total Impulse: 37.40 newton-seconds (σ 0.46)
Peak Thrust: 59.40 newtons (σ 5.46)
Burn Time: 1.04 seconds (σ 0.04)
Average Thrust: 35.96 newtons

Mass After Firing: 12.1 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
4	4.19	35.5 g	454 g
8	7.40	35.9 g	284 g
12	9.86	35.9 g	170 g

TYPICAL THRUST-TIME CURVE



REMARKS