

QUEST C6-3,5

CERTIFIED VALUES

Total Impulse: 8.5 newton-seconds
Delays: 3, 5 seconds

Propellant Type: Black Powder
Propellant Mass: 11.0 grams

Casing Dimensions: 18 mm x 70 mm

Certification Date: 92-February-23
Contest Use Date: 92-May-23

Certification Type: Model Rocket

STATIC TEST DATA

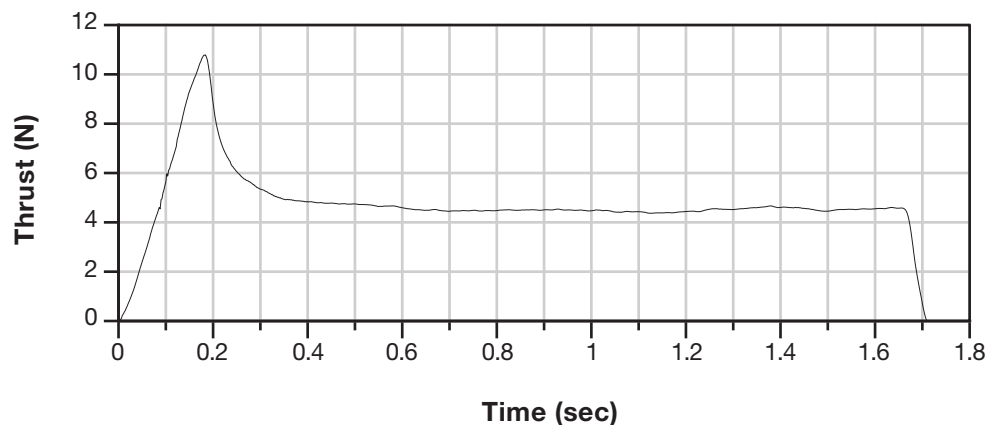
Date Tested: 92-February-22

Total Impulse: 8.10 newton-seconds (σ 0.10)
Peak Thrust: 10.79 newtons (σ 0.41)
Burn Time: 1.71 seconds (σ 0.02)
Average Thrust: 4.74 newtons

Mass After Firing: 10.0 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
3	3.42	21.8 g	113 g
5	4.78	22.9 g	113 g

TYPICAL THRUST-TIME CURVE



REMARKS

There are three data sheets for Quest C6 motors due to different certification dates and different tested values.