

QUEST B6-6

CERTIFIED VALUES

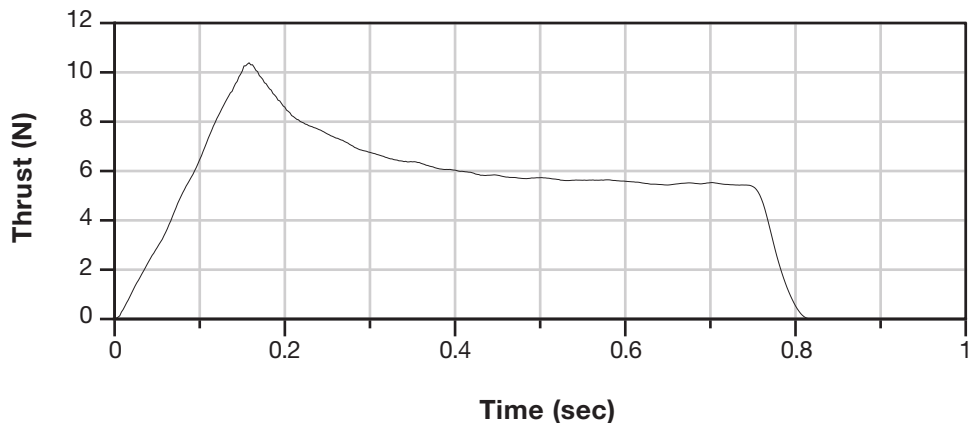
Total Impulse: 5.00 newton-seconds
Delays: 6 seconds
Propellant Type: Black Powder
Propellant Mass: 6.5 grams
Casing Dimensions: 18 mm x 70 mm
Certification Date: 93-December-20
Contest Use Date: 94-March-20
Certification Type: Model Rocket

STATIC TEST DATA

Date Tested: 93-December-20
Total Impulse: 4.71 newton-seconds (σ 0.08)
Peak Thrust: 10.39 newtons (σ 0.84)
Burn Time: 0.82 seconds (σ 0.02)
Average Thrust: 5.74 newtons
Mass After Firing: 10.4 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
6	5.59	18.8 g	113 g

TYPICAL THRUST-TIME CURVE



REMARKS

There are three data sheets for Quest B6 motors due to different certification dates and different tested values.