

# FSI E60

## CERTIFIED VALUES

Total Impulse: 30.0 newton-seconds  
Delays: 0, 4, 6, 8 seconds

Propellant Type: Black Powder  
Propellant Mass: 40.0 grams

Casing Dimensions: 27 mm x 114 mm

Certification Date: Continuing  
Contest Use Date: Continuing

Certification Type: Model Rocket

## STATIC TEST DATA

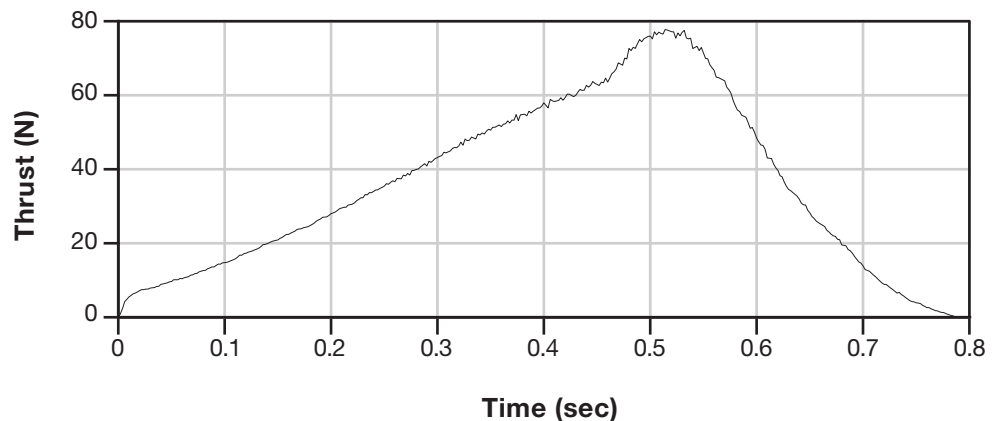
Date Tested: 95-April-22

Total Impulse: 28.37 newton-seconds ( $\sigma$  1.73)  
Peak Thrust: 77.75 newtons ( $\sigma$  12.38)  
Burn Time: 0.79 seconds ( $\sigma$  0.08)  
Average Thrust: 35.91 newtons

Mass After Firing: 47.1 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
0	0.00	80.2 g	448 g
4	4.52	81.8 g	448 g
6	6.21	83.9 g	448 g
8	8.08	83.9 g	448 g

## TYPICAL THRUST-TIME CURVE



## REMARKS