

# ROADRUNNER F35

## CERTIFIED VALUES

Total Impulse: 76.49 newton-seconds  
Delays: 6, 10 seconds  
Propellant Type: Composite / Roadrunner  
Propellant Mass: 40.1 grams  
Casing Dimensions: 29 mm x 112 mm  
Certification Date: 06-April -22  
Contest Use Date: 06-June -22  
Certification Type: Model Rocket

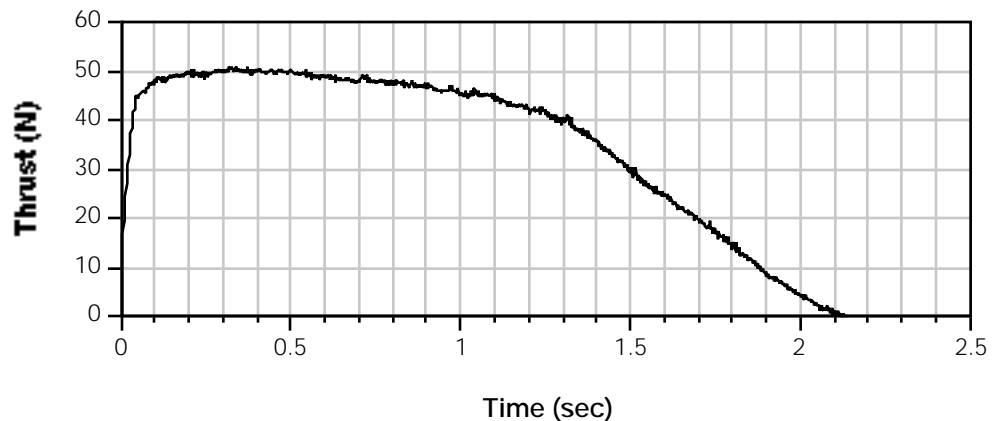
## STATIC TEST DATA

Date Tested: February 2006  
Total Impulse: 76.49 newton-seconds ( 1.88)  
Peak Thrust: 51.01 newtons ( 3.20)  
Burn Time: 2.13 seconds ( 0.08)

Mass After Firing: 60.0 grams

Delay Time	Average Measured Delay	Initial Mass
6	6.50	107.6 g
10	9.80	108.3 g

## TYPICAL THRUST-TIME CURVE



## REMARKS



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; ROADRUNNER F35 RASP.ENG FILE
; File produced April 5, 2006
; The total impulse, peak thrust, average thrust and burn time are
; the same as the averaged static test data on the NAR web site in
; the certification file. The curve drawn with these data points is as
; close to the certification curve as can be with such a limited
; number of points (32) allowed with wRASP up to v1.6.

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      F35   29   112   6-10   0.040   0.108   RR
0.023   33.700
0.040   44.462
0.081   47.206
0.121   48.579
0.166   49.270
0.242   49.550
0.315   51.010
0.411   50.111
0.528   49.710
0.664   48.208
0.791   47.256
0.896   46.986
1.000   45.484
1.097   44.943
1.194   42.338
1.277   40.400
1.323   40.706
1.356   37.691
1.402   35.637
1.451   32.753
1.505   29.467
1.578   25.491
1.675   20.833
1.750   17.137
1.828   13.021
1.907   8.638
1.984   5.075
2.049   2.610
2.130   0.000
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