

# ROCKETVISION F72

## CERTIFIED VALUES

Total Impulse: 80 newton-seconds  
Delays: 5, 10, 15 seconds

Propellant Type: Composite  
Propellant Mass: 37.7 grams

Casing Dimensions: 24 mm × 124 mm

Certification Date: 99-October-15  
Contest Use Date: 99-December-14

Certification Type: Model Rocket

## STATIC TEST DATA

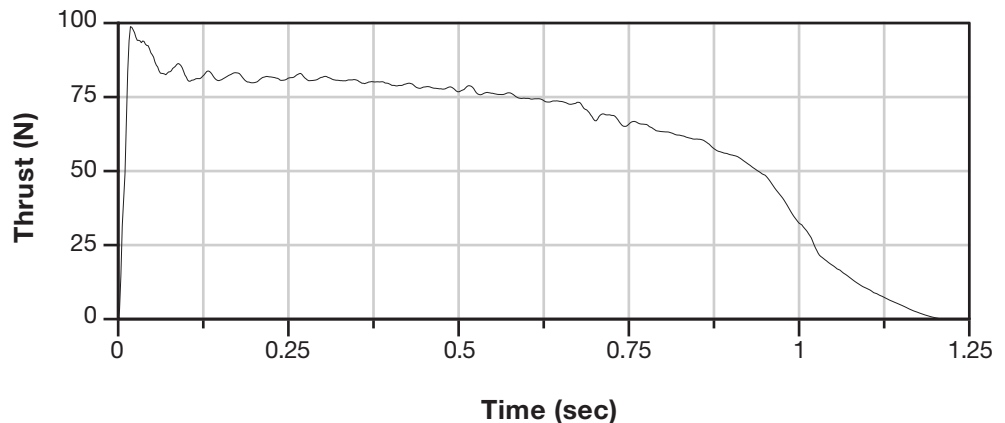
Date Tested: 95-September-2

Total Impulse: 74.92 newton-seconds ( $\sigma$  2.40)  
Peak Thrust: 98.78 newtons ( $\sigma$  1.35)  
Burn Time: 1.21 seconds ( $\sigma$  0.05)  
Average Thrust: 61.92 newtons

Mass After Firing: 31.4 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
5	5.42	74.1 g	851 g
10	10.40	73.8 g	510 g
15	15.04	74.6 g	340 g

## TYPICAL THRUST-TIME CURVE



## REMARKS

AeroTech motor relabeled by Rocket Vision.

; RocketVision F72 RASP.ENG file made from NAR published data  
 ; File produced December 10, 2000  
 ; 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.

Time (Sec)	Thrust (N)
F72	24
124	5-10-15
.0368	.0742
RV	
0.012	62.586
0.017	84.986
0.020	98.780
0.030	94.748
0.050	90.152
0.069	82.688
0.089	85.556
0.104	80.390
0.136	83.255
0.146	80.960
0.176	82.688
0.198	78.672
0.213	80.960
0.253	80.390
0.315	80.960
0.380	79.821
0.429	79.241
0.489	78.092
0.523	78.672
0.536	75.225
0.675	73.496
0.699	67.182
0.719	68.331
0.747	64.884
0.769	66.033
0.858	60.867
0.923	52.824
0.980	40.195
1.012	29.864
1.034	20.092
1.089	11.480
1.210	0.000

