

ROCKETVISION G55

CERTIFIED VALUES

Total Impulse: 125 newton-seconds
Delays: 5, 10, 15 seconds

Propellant Type: Composite
Propellant Mass: 62.5 grams

Casing Dimensions: 24 mm × 177 mm

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

Certification Type: Model Rocket

STATIC TEST DATA

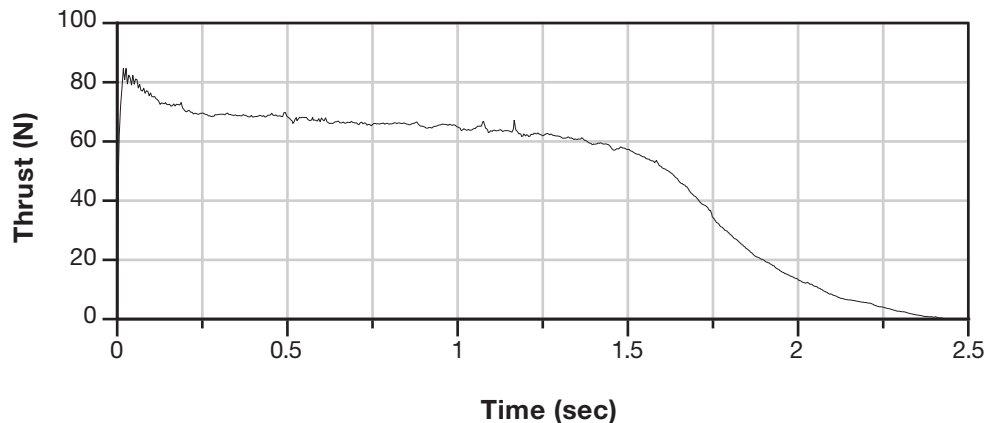
Date Tested: 95-September-2

Total Impulse: 119.57 newton-seconds (σ 3.57)
Peak Thrust: 84.65 newtons (σ 0.99)
Burn Time: 2.44 seconds (σ 0.06)
Average Thrust: 49.00 newtons

Mass After Firing: 42.3 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
5	4.81	115.3 g	851 g
10	9.60	114.8 g	536 g
15	13.77	114.4 g	340 g

TYPICAL THRUST-TIME CURVE



REMARKS

AeroTech motor relabeled by Rocket Vision.

; RocketVision G55 RASP.ENG file made from NAR published data
 ; File produced December 10, 2000
 ; The total impulse, peak thrust and 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.

G55 24 117 5-10-15 .0625 .1148 RV

0.009	81.136
0.014	84.650
0.034	80.557
0.084	77.064
0.130	71.823
0.180	72.422
0.206	68.919
0.342	69.538
0.483	68.989
0.513	66.663
0.543	68.420
0.664	66.114
0.876	66.164
0.901	64.418
0.997	65.026
1.062	66.793
1.088	63.879
1.148	63.889
1.158	66.813
1.173	63.310
1.209	62.741
1.325	61.593
1.395	59.277
1.456	57.541
1.486	58.129
1.587	52.320
1.708	40.094
1.824	26.110
1.950	15.630
2.112	7.498
2.258	3.446
2.440	0.000

