

AEROTECH G69

CERTIFIED VALUES

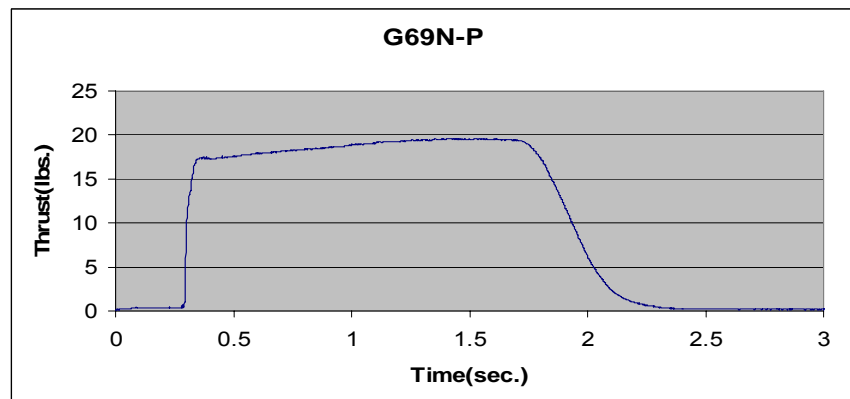
Total Impulse: 136.7 Newton-seconds
Delays: Plugged
Propellant Type: Warp 9
Propellant Mass: 62.2 grams
Casing Dimensions: 38 mm × 106 mm
Certification Date: March 23, 2007
Certification Type: Model Rocket Motor

STATIC TEST DATA

Date Tested: January 27, 2007
Total Impulse: 136.7 Newton-seconds (σ 1.6)
Peak Thrust: 87.3 Newtons (σ 2.6)
Burn Time: 1.88 seconds (σ 0.05)
Average Thrust: 72.3 Newtons (σ 1.3)
Mass After Firing: 137 grams

Delay Time(sec.)	P		
Average Measured Delay(sec.)	Plugged		
Initial Mass (gm.)	201		

TYPICAL THRUST-TIME CURVE



REMARKS

Certified for use in Aerotech 38/120 hardware or equivalent.



; @File: G69_Composite.txt, @Pts-I: 1748, @Pts-O: 32, @Sm: 0, @CO: 5%
; @TI: 136.8667, @Tla: 136.1454, @Tle: 0.0%, @ThMax: 86.5981, @ThAvg: 72.4163, @Tb: 1.89
; Exported using ThrustCurveTool, www.ThrustGear.com
G69N 38 106 Plugged 0.0622 0.201 Aerotech

0.082	1.256504
0.27	0.73703
0.276	2.55297
0.278	1.043386
0.282	1.496261
0.286	3.99151
0.288	7.18827
0.292	31.7855
0.294	38.6675
0.296	43.507
0.304	55.3616
0.31	58.4696
0.316	63.3535
0.318	66.4615
0.33	74.0094
0.342	76.2294
0.4	75.7854
0.446	77.5614
0.944	82.0013
0.996	83.7773
1.3999	86.4412
1.6919	85.9972
1.7379	84.2213
1.7719	80.2253
1.8199	71.7894
1.9819	29.832
2.0239	20.7301
2.1019	9.23064
2.1779	4.21351
2.3899	0.426234
3.4939	0.0887988
3.4949	0