

AEROTECH H210

CERTIFIED VALUES

Total Impulse: 220 newton-seconds
Delays: 10 seconds and Plugged

Propellant Type: Composite / Redline
Propellant Mass: 110.8 grams

Casing Dimensions: 29 mm x 239 mm

Certification Date: 01-May-7

Certification Type: High Power Rocket

STATIC TEST DATA

Date Tested: 01-May-6

Total Impulse: 209.67 newton-seconds (σ 1.02)

Peak Thrust: 264.92 newtons (σ 13.69)

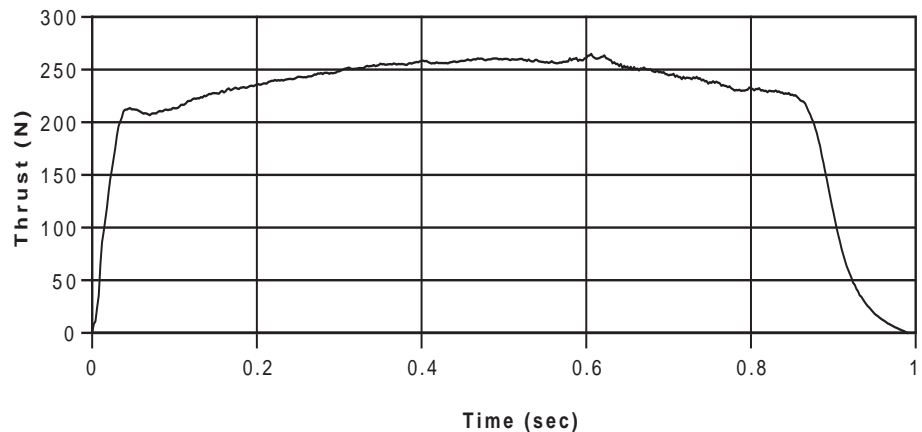
Burn Time: 0.99 seconds (σ 0.01)

Average Thrust: 211.79 newtons

Mass After Firing: 124.1 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
10	9.73	247.0 g	
P	None	244.0 g	

TYPICAL THRUST-TIME CURVE



REMARKS

Uses AeroTech RMS-29/240 Reload System and AeroTech H210 Reload Kit. No substitutions allowed.

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; Aerotech H210 RASP.ENG file made from NAR published data
; File produced Oct 43 2002
; 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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H210 29 239 10-P- 0.1108 0.2470 A
0.007 13.977
0.012 80.220
0.022 149.357
0.034 198.849
0.039 207.457
0.052 207.457
0.071 202.077
0.101 208.533
0.163 225.747
0.237 235.431
0.309 245.016
0.396 250.396
0.516 253.623
0.552 250.396
0.574 251.472
0.605 264.920
0.616 254.699
0.634 250.396
0.688 240.810
0.751 232.203
0.790 225.747
0.835 222.520
0.857 218.216
0.872 205.305
0.886 163.344
0.902 108.570
0.919 54.813
0.936 32.248
0.955 13.977
0.990 0.000

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