KOSDON 1170

CERTIFIED VALUES

Total Impulse: 440 newton-seconds

Delays: 11 seconds

Propellant Type: Composite 287.0 grams **Propellant Mass:**

Casing Dimensions: $38 \text{ mm} \times 314 \text{ mm}$

Certification Date: 96-June-30

Certification Type: High Power Rocket

STATIC TEST DATA

Date Tested: 96-March-17

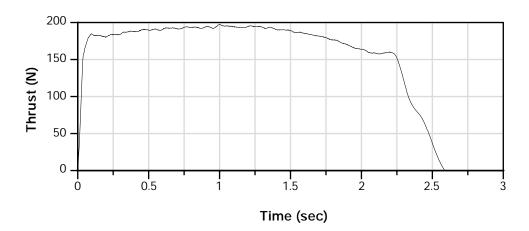
Total Impulse: 433.21 newton-seconds (σ 0.35) Peak Thrust: 197.54 newtons 4.93)(σ **Burn Time:** 2.59 seconds 0.01)

Average Thrust: 167.26 newtons

Mass After Firing: 352.0 grams

Delay Time	Average Measured Delay 11.07	Initial Mass 645.0 g	Mfg Recommended Max Liftoff Weight

TYPICAL THRUST-TIME CURVE



REMARKS

This is a reloadable motor, certified only with the manufacturer specified casing and reload kit. No substitutions allowed.

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; File produced November 1, 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.
 I170 38 314 6 .2870 .6450 K
       101.195
0.021
0.029
       132.631
       166.762
0.050
0.093
       181.831
0.171
       180.434
0.307
       183.229
0.436
       188.618
0.593
       190.015
0.757
       192.809
0.914
       194.107
1.007
       197.540
1.093
       194.107
1.229
       194.107
1.407
       190.015
1.564
       185.923
1.686
       181.831
1.836
       174.945
1.986
       164.067
2.129
       157.181
2.200
       159.976
2.236
       158.579
2.264
       143.509
2.307
       118.959
2.336
       99.798
2.386
       82.023
       64.249
2.450
2.500
        39.649
2.543
        17.774
2.590
       0.000
```

; Kosdon I170 RASP.ENG file made from NAR published data

