

KOSDON K777

CERTIFIED VALUES

Total Impulse: 2400 newton-seconds
Delays: 11 seconds

Propellant Type: Composite
Propellant Mass: 1080.0 grams

Casing Dimensions: 75 mm × 368 mm

Certification Date: 98-August-5

Certification Type: High Power Rocket

STATIC TEST DATA

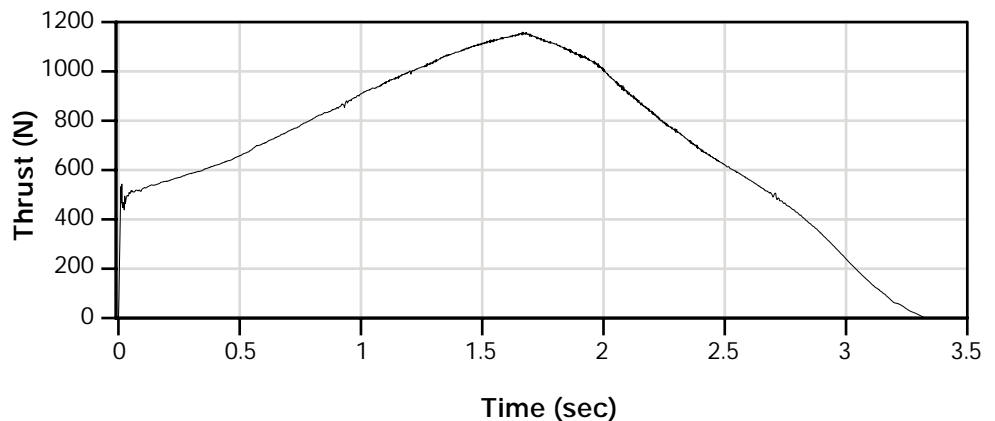
Date Tested: 98-July-18

Total Impulse: 2393.62 newton-seconds (σ 33.07)
Peak Thrust: 1159.26 newtons (σ 144.37)
Burn Time: 3.33 seconds (σ 0.35)
Average Thrust: 718.80 newtons

Mass After Firing: 1750.0 grams

Delay Time	Average Measured Delay	Initial Mass	Mfg Recommended Max Liftoff Weight
11	10.64	2933.0 g	

TYPICAL THRUST-TIME CURVE



REMARKS

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

; Kosdon K777 RASP.ENG file made from NAR published data
; File produced November 1, 2000
; The total impulse, peak 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.

K777	75	368	11	1.0800	2.9330	K
0.007	470.858					
0.091	520.569					
0.310	587.250					
0.570	695.257					
0.789	794.879					
1.033	919.357					
1.285	1027.164					
1.512	1110.016					
1.671	1159.260					
1.756	1119.000					
1.865	1078.073					
2.008	1012.191					
2.118	897.097					
2.303	757.147					
2.506	617.197					
2.708	502.003					
2.834	394.894					
3.003	238.374					
3.155	106.509					
3.256	40.687					
3.330	0.000					

