

ANIMAL MOTOR WORKS I271

CERTIFIED VALUES

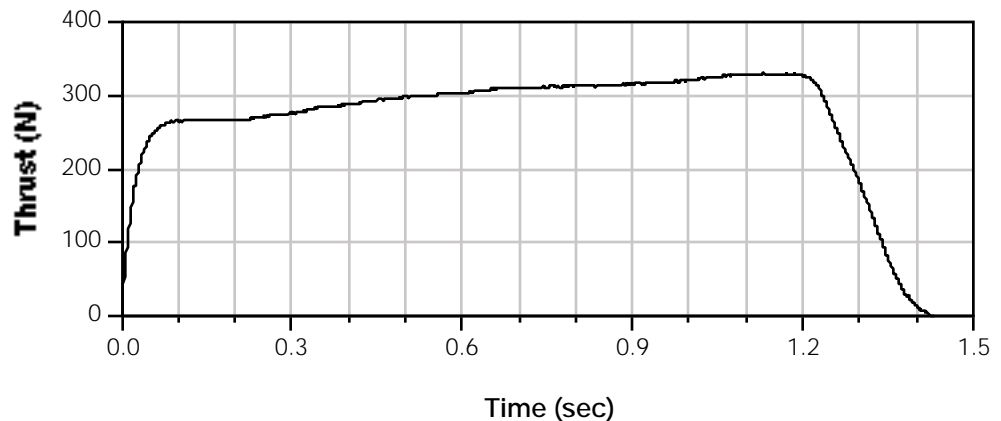
Total Impulse: 389.35 newton-seconds
Delays: 20
Propellant Type: Composite / Blue Baboon
Propellant Mass: 188.7 grams
Casing Dimensions: 38 mm × 258 mm
Certification Date: 06-May-1
Certification Type: High Power Rocket

STATIC TEST DATA

Date Tested: 06-March-30
Total Impulse: 389.35 newton-seconds (0.99)
Peak Thrust: 331.40 newtons (4.61)
Burn Time: 1.43 seconds (0.03)
Average Thrust: 272.77 newtons
Mass After Firing: 305.1 grams

Delay Time	Average Measured Delay	Initial Mass
20	20.02	493.8 g

TYPICAL THRUST-TIME CURVE



REMARKS

Consists of the Animal Motor Works 38- 390 motor and Animal Motor Works I271BB-20 reload kit. No substitutions allowed.


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; 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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I271	38	258	20	0.189	0.493	RR
0.011	119.530					
0.035	213.907					
0.050	245.903					
0.074	262.705					
0.115	269.446					
0.225	267.736					
0.346	282.929					
0.465	296.411					
0.584	303.152					
0.727	311.504					
0.916	318.245					
1.054	324.986					
1.162	331.400					
1.201	326.696					
1.225	313.214					
1.242	286.249					
1.268	240.990					
1.294	188.888					
1.323	136.833					
1.346	87.565					
1.368	45.467					
1.392	18.523					
1.430	0.000					

