

AMW I195

CERTIFIED VALUES

Total Impulse: 358.40 newton-seconds
Delays: 18 seconds

Propellant Type: White Wolf
Propellant Mass: 192.2 grams

Casing Dimensions: 38 mm × 249 mm

Certification Date: 06-Dec - 20
Contest Use Date:

Certification Type: High Power Rocket

STATIC TEST DATA

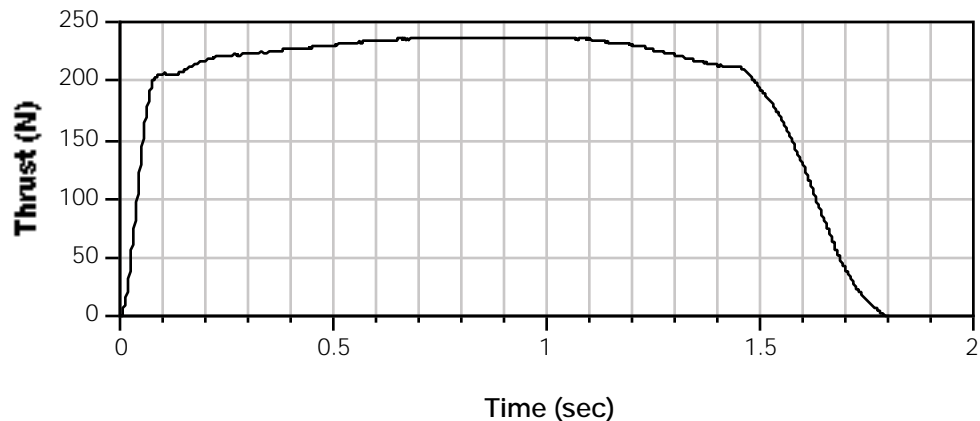
Date Tested: December 19, 2006

Total Impulse: 358.40 newton-seconds (0.38)
Peak Thrust: 237.62 newtons (2.76)
Burn Time: 1.80 seconds (0.03)
Average Thrust: 199.56 newtons

Mass After Firing: 302.4 grams

Delay Time	Average Measured Delay	Initial Mass
18	17.74	494.6 g

TYPICAL THRUST-TIME CURVE



REMARKS

AMW		1195 WT		WT-38-390				
ENGINE	TOTAL	MAX	AVG	BURN	DELAY	INIT	BURNT	PROPELLANT
TYPE	IMPULSE	THRUST	THRUST	TIME	TIME	WT	WT	MASS
I195-18WT	357.95	237.15	195.39	1.83	18.45	496.0	303.9	192.1
I195-18WT	358.88	241.21	200.04	1.79	17.07	495.8	303.4	192.4
I195-18WT	358.39	234.50	203.40	1.76	17.72	492.1	300.0	192.1
AVG	358.40	237.62	199.61	1.80	17.74	494.63	302.43	192.20
STD	0.38	2.76	3.28	0.03	0.56			
STD %	0.11	1.16	1.65	1.59	3.17			
		AVG	199.56					