

AMW I220

CERTIFIED VALUES

Total Impulse: 358.45 newton-seconds
Delays: 20 seconds

Propellant Type: Skidmark
Propellant Mass: 201.9 grams

Casing Dimensions: 38 mm × 249 mm

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

Certification Type: High Power Rocket

STATIC TEST DATA

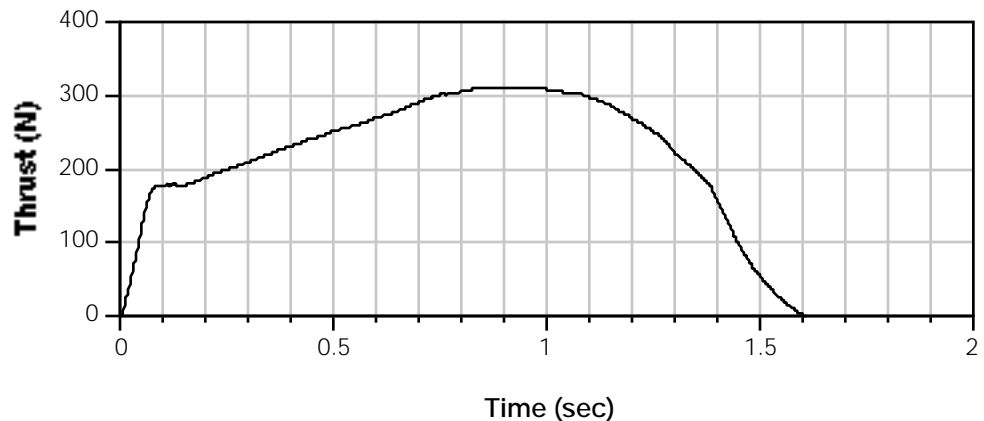
Date Tested: December 19, 2006

Total Impulse: 358.45 newton-seconds (0.47)
Peak Thrust: 311.81 newtons (17.38)
Burn Time: 1.61 seconds (0.04)
Average Thrust: 222.82 newtons

Mass After Firing: 293.3 grams

Delay Time	Average Measured Delay	Initial Mass
20	19.32	495.0 g

TYPICAL THRUST-TIME CURVE



REMARKS

AMW		I220-SK-20-D	SK-38-390					
ENGINE	TOTAL	MAX	AVG	BURN	DELAY	INIT	BURNT	PROPELLANT
TYPE	IMPULSE	THRUST	THRUST	TIME	TIME	WT	WT	MASS
I220-20SK	357.80	311.13	217.91	1.64	19.27	494.1	292.5	201.6
I220-20SK	358.69	290.86	218.98	1.64	18.89	494.5	292.5	202.0
I220-20SK	358.86	333.43	232.12	1.55	19.78	496.5	294.8	202.0
AVG	358.45	311.81	223.00	1.61	19.32	495.03	293.27	201.87
STD	0.47	17.38	6.46	0.04	0.37			
STD %	0.13	5.58	2.90	2.76	1.90			
		AVG	222.82					