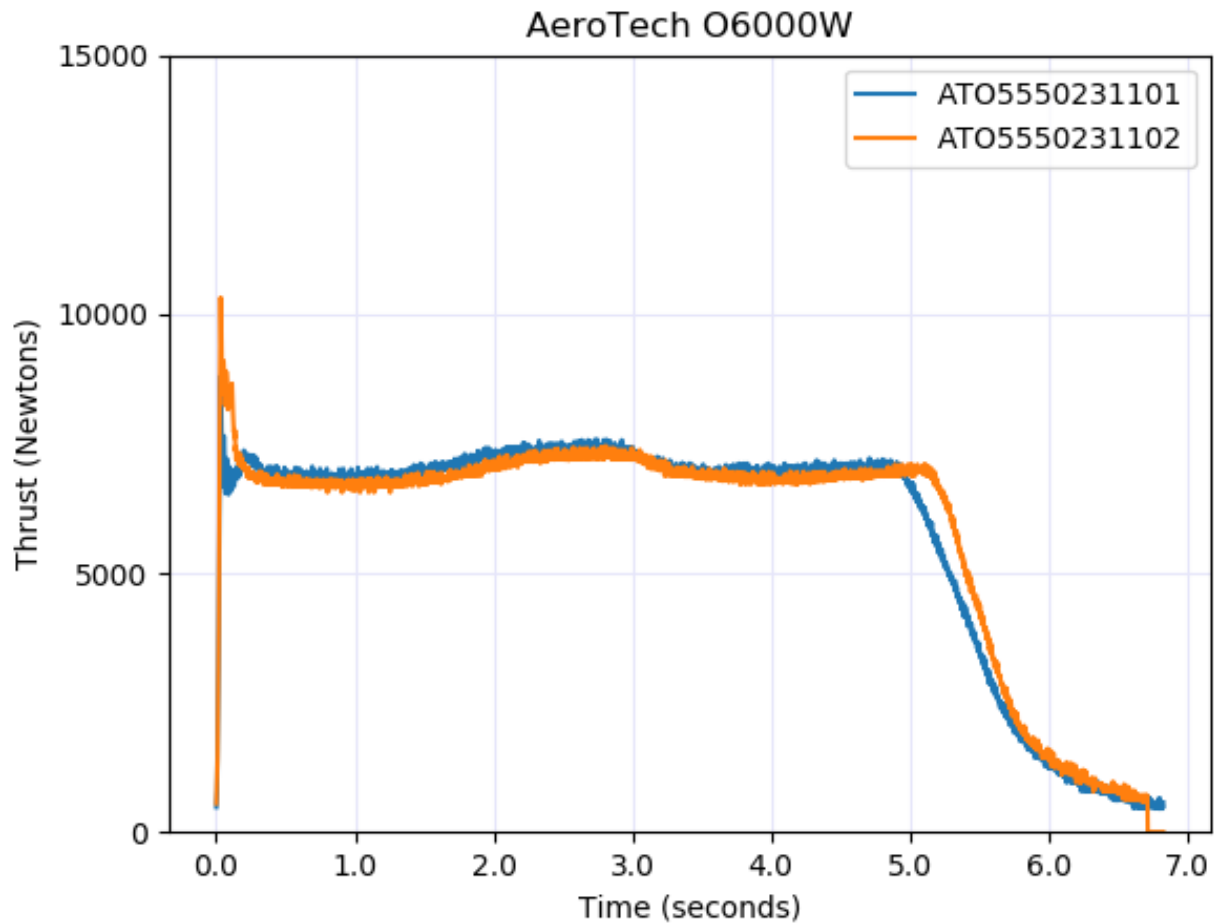


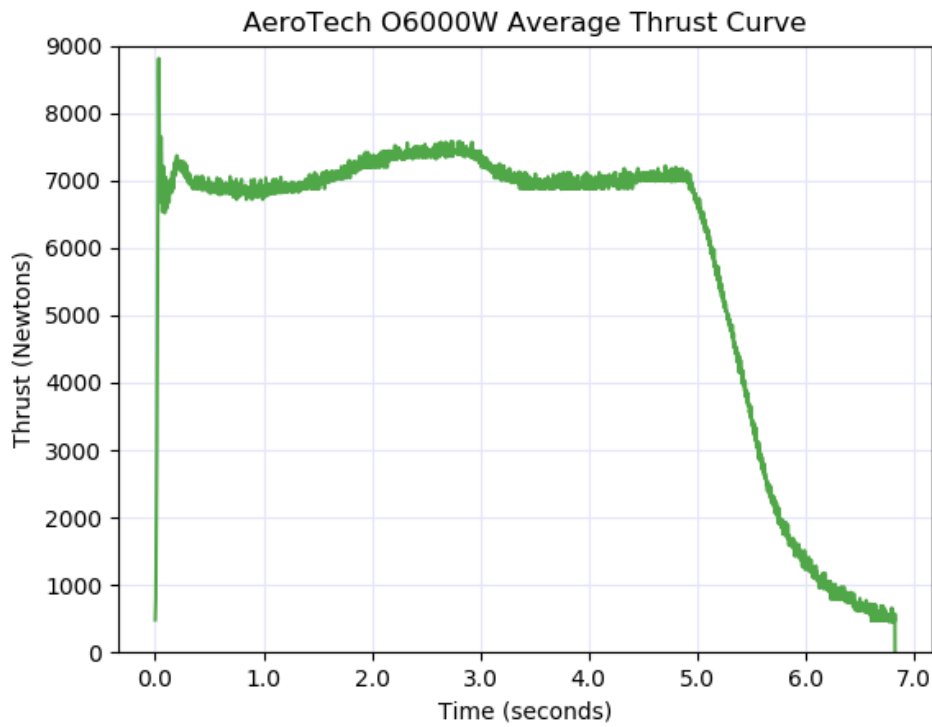


AeroTech O6000W Test Results

Manufacturer	AeroTech
Motor Designation	O6000W
Usage	Single Use
Propellant Type	Composite
Propellant Mass	22,000 grams
Casing Dimensions	152 mm x 1120 mm
Delays	0 seconds
Date Tested	2023-11-15
Average Total Impulse	39,620 Newton seconds
Average Max Thrust	9,564 Newtons
Average Burn Time	6.77 seconds
Average Thrust	5,853 Newtons
Result	Measured values are within NFPA tolerances



Test ID	Delay	I-Total	f-Max	f-Avg	t-Burn	t-Delay	m-Init	m-Post
ATO5550231101		39,560	8,808	5,795	6.83		31,520	9,525
ATO5550231102		39,670	10,320	5,911	6.71		31,520	9,525
Average		39,620	9,564	5,853	6.77			9,525
σ		57.1	755.7	57.57	0.06			
$\% \sigma$		0.1441	7.902	0.9836	0.84			



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; AeroTech O6000W RASP .ENG file
; File produced December 04, 2023 by NAR Standards & Testing
;
; Motor Diameter Length Delays Propellant_Mass(kg) Initial_Mass(kg) Manufacturer
O6000W 152 1120 0 21.9990 31.5246 AeroTech
0.001 480.452
0.034 8808.324
0.089 6516.155
0.200 7366.967
0.348 6876.506
0.753 6716.370
0.797 7016.625
0.843 6716.370
0.916 7016.625
0.993 6716.370
1.021 7036.642
1.564 6876.506
1.585 7136.771
2.144 7196.822
2.328 7557.128
2.591 7316.924
2.924 7567.181
3.133 7036.642
3.366 7116.710
3.749 6866.497
3.768 7116.710
4.325 6876.506
4.329 7176.805
4.402 6876.506
4.907 7136.771
5.157 5975.652
5.569 2872.706
5.751 1911.801
6.234 1040.973
6.610 470.444
6.801 650.597
6.828 0.000
;

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