

## **Tripoli Certification Announcement**

From: Paul Holmes

May 1, 2006

To All,

I am very pleased to announce new motors and a new propellant/motor size combination for RCS's AeroTech and Gary Rosenfield.

Gary has received shipping approval for his Black Max (FJ) Propellant in the 38 MM motor sizes and he has two motors certified for this propellant, with at least two others ready to test.

The I225FJ, in the 38/480 case, is a 13% I motor, burning for 1.6 seconds. Propellant weight is 264 grams. The curve is a double rise curve, going to 40 pounds on ignition, slowly rising to 45 at .3 seconds, then rising sharply to 60#. The motor continues to rise slowly to 67 pounds at the .6 second point, then drops to 45 again at 1.3 seconds, where it drops straight to zero at the 1.6 second point. The Black Max propellant falls between Redline and White Lightning in speed but with the characteristic deep smoke the 'Black' name implies.

The I364FJ is the 38/720 case offering, providing 78% I impulse, for 1.5 second burn time. Propellant weight is 396 grams. Curve goes immediately to 105 pounds and sustains that for .8 seconds where it slowly decays to zero at the 1.55 point.

These are nice medium high speed motors with plenty of smoke and a full option of delays. Gary also has a few more motors planned for certification before the LDRS break, with my next APCP session scheduled in two weeks.

Again, Congrats to Gary and his team!!!

Paul Holmes  
Chairman, TMT