



Available for Immediate Shipment!

AeroTech I40N-P Long Burn DMS™ Rocket Motor

New Product Information Release 10/24/2022

AeroTech/Quest is pleased to announce the Tripoli certification and immediate availability of our new DMS™ Disposable Motor System™ I40N-P long-burn rocket motor (No. 094000).

The I40N-P is a long-burn, high-performance rocket motor intended for large gliders and lightweight vertical trajectory rockets for flights to high altitudes. It delivers 374.9 N-Sec (84.3 lb.-Sec.) of total impulse with an impressive 10.0 second burn time and a total weight of 12.7 oz. (359.9 g). This new rocket motor utilizes 7.0 oz. (197.0 g) of AeroTech's aerospace-grade Warp-9™ (N) propellant formulation with a core-modified end-burner design. Displaying a yellow-orange flame studded with "mach diamonds", Warp-9 is AeroTech's fastest-burning propellant. Warp-9 is perfect when you need the highest thrust possible or when you have an end-burner requiring a high initial thrust with a steady and strong sustained thrust. The I40N-P generates a peak thrust of 101.9 N (22.9 lb.) with an average thrust of 37.8 N (8.5 lb.). The I40N-P is a plugged motor that does not produce delay smoke or an ejection charge, requiring the use of an electronically-activated recovery system.

I40N-P Specifications

Diameter: 38mm (1.5")

Length: 203mm (8.0")

Propellant: Warp-9™

Total Impulse: 374.9 N-Sec. (84.3 lb.-Sec.)

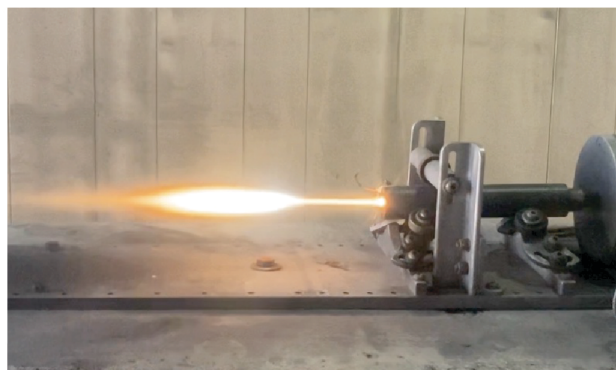
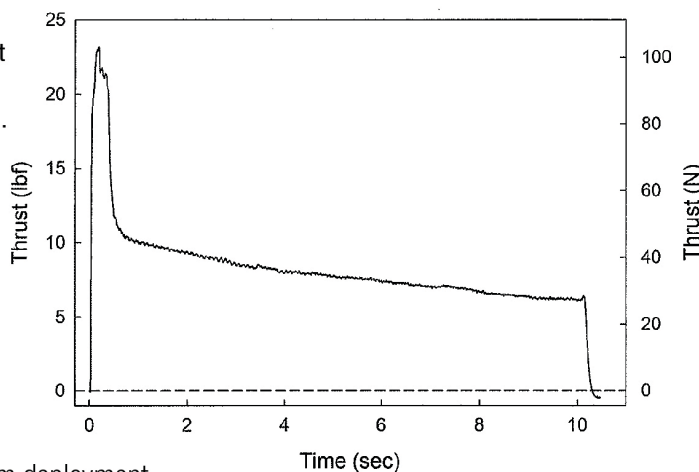
Burn Time: 10.0 Seconds

Peak Thrust: 101.9 N (22.9 lb.)

Delay Time: Plugged - Requires electronic recovery system deployment.

Propellant Weight: 197.0 g (7.0 oz.)

Loaded Weight: 359.9 g (12.7 oz.)



California State Fire Marshal classification and approval has been granted for the I40N-P DMS rocket motor. It ships with a standard FirstFire™ Initiator, has a suggested retail price of \$69.99 each and may be purchased by consumers 18 years of age or older with a minimum Level 1 NAR or TRA Certification, or by educational institutions, government agencies and licensed commercial entities.

TRA certification documents and DMS motor instructions for the I40N-P will be available for download in PDF format from the Resource Library on the AeroTech-Quest website at <http://www.aerotech-quest.com>