

# Artillery Propellant



## Next Generation Artillery Performance

As the major U.S. manufacturer of gun propellants, Alliant Techsystems is taking artillery technology into the next generation of battlefield performance. Radford-produced PAP 7993 works with all 155mm cannons. PAP 7993 is a single base formulation used for low zone accuracy in the M231 MACS charge.

We are partnered with Nitrochemie to bring advanced gun propellants, such as ECL, to the DOD, to provide improved performance, gun life and IM characteristics.

For information contact:

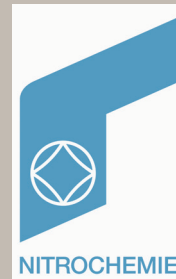
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### Modified M1SP Propellant Characteristics:

- Formulation: Single base solvent
- Geometry: Single perf granule, 0.018" web
- L/D: 4.5:1
- Heat of Explosion: 786 cal/g
- Absolute Density: 1.53

### ECL Characteristics:

- Formulation: NG-free
- Low temperature coefficient
- Insensitive munitions
- Interoperability
- System compatibility



(CP)<sup>2</sup> and ISO-9001 Certified  
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