



AEROEX

ADVANCED EXPLOSIVE RATE OPERATIONAL EXPLOSIVE

AEROEX is a high-blast, thermobaric-enhanced plastic explosive designed for maximum overpressure and thermal impulse. It is ideal for urban warfare, enclosed structure clearance, and personnel-targeted operations where volumetric expansion and air-fuel reactions amplify lethality. AEROEX excels as the main charge in tandem warheads, UAS loitering munitions, and stand-alone breaching munitions used against bunkers, caves, or urban strongpoints.

PERFORMANCE SPECS

Velocity of Detonation	7,800 – 8,200 m/s
Density	1,500 - 1,600 kg/m ³
Blast Impulse	1.5 – 2.0× C-4 Equivalent
Plasticity Range	-25°C to +55°C
Thermal Effect	High (post-detonation combustion)
Shock Sensitivity	Low
Water Resistance	Good

PACKAGING INFO

Packaging Type	Foil-Wrapped Extruded Bar
Weight Per Unit	250g
Units Per Case	20
Case Weight	5.5kg
Case Dimensions	14x10x8in
Palletization Format	60 cases per pallet
Shelf Life	8–12 years (sealed, controlled conditions)
Storage Conditions	-20°C to +50°C

HAZARD CLASSIFICATION

UN Number	0084
Hazard Class	1.1D
Compatibility Group:	D

Composition (By Weight)

PETN + HMX	90 - 92%
Plasticizer & Binder	8 - 10%



2025