



PEPEX 1A

GENERAL - PURPOSE PLASTIC EXPLOSIVE

PEPEX 1A is a highly malleable, general-purpose plastic explosive used in demolition, military engineering, and special forces applications. It is valued for its ease of handling, water resistance, and high explosive power. Unlike PEPEX 1H, which is optimized for special operations and enhanced thermal performance, PEPEX 1A offers broader utility and stability across diverse operational environments. It is well suited for shaped charges, sabotage kits, and conventional demolition tasks.

PERFORMANCE SPECS

Velocity of Detonation	7,000 m/s
Density, min.	1,340 kg/m ³
Explosion heat	2,648 kJ/kg
Temperature of explosion	1,991°C
Oxygen Balance	-63.4% O ₂
Sensitivity	7.0 J
Thermal Stability	48/75 h/°C

HAZARD CLASSIFICATION

UN Number	0084
Hazard Class	1.1D
Compatibility Group:	D

PACKAGING INFO

PEPEX explosives are packaged in waxed paper. They are supplied in the form of bricks with a mass from 250 to 3,000 g according to the customer's requirements.

There are 24 or 25 kg of explosives in the transport packaging.

Composition (By Weight)

PETN	~76%
RDX	~4.6%
Plasticizer & Binder	~19.4%

