



C-4

Plastic Explosive – RDX-Based (UN 0048)

C4 is a white, moldable plastic explosive composed primarily of RDX (cyclotrimethylenetrinitramine), plasticizers, and polymeric binders. It is extremely stable, waterproof, and highly effective in cutting, breaching, and demolition applications. SWORD Energetics supplies C4 in accordance with U.S. military MIL-C-400 standards, engineered for operational reliability in extreme climates. C4 can be easily shaped by hand and is insensitive to small arms fire or rough handling, while maintaining high detonation performance when initiated with a standard #8 blasting cap or equivalent booster.

PERFORMANCE SPECS

Velocity of Detonation	8,040 m/s
Density	1.58 g/cm ³
Detonation Pressure	29 GPa
Heat of Explosion	6,000 kJ/kg
Oxygen Balance	-21.6%
Impact Sensitivity	≥7 J
Friction Sensitivity	≥160 N
Plasticity Range	-50°C to +75°C

PACKAGING INFO

Packaging Type	Vacuum-sealed M112 block
Weight Per Unit	1.25lbs
Units Per Case	16 M112 blocks
Case Weight	20lbs (9.07kg)
Case Dimensions	16 x 10 x 6 in
Palletization Format	48 cases per pallet
Shelf Life	10 years
Storage Conditions	≤30°C, low humidity

HAZARD CLASSIFICATION

UN Number	0048
Hazard Class	1.1D
Compatibility Group:	D

