



PETN

PENTAERYTHRITOL TETRANITRATE

PETN (Pentaerythritol Tetranitrate) is a powerful crystalline high explosive known for its high brisance, sensitivity, and energy output. SWORD Energetics supplies PETN in technical grade, high-purity form, suitable for use in detonating cords, boosters, delay trains, and cast explosives.

Produced to meet defense and industry standards, PETN is often used where compact, high-performance output is needed with precise initiation characteristics. It is especially effective when incorporated into composite or plastic-bonded explosives or used in detonator assemblies.

PERFORMANCE SPECS

Velocity if Detonation	8400m/s
Density	1.77/cm ³
Detonation Pressure	30.5GPa
Heat of Explosion	5900KJ/kg
Oxygen Balance	-10.1%
Impact Sensitivity	3.0J
Friction Sensitivity	80N
Particle Size	< 100 μ m

PACKAGING INFO

Packaging Type	Anti-static Poly-Lined Drum
Weight Per Unit	25kg
Units Per Pallet	16 Drums
Pallet Weight	400kg
Drum Dimensions	16" dia $\times$ 24" height
Shelf Life	5-10 years
Storage Conditions	$\leq$ 25 $^{\circ}$ C, humidity-controlled

HAZARD CLASSIFICATION

UN Number	0150
Hazard Class	1.1D
Compatibility Group:	D

