



FUSE

PETN

Penta Erythritol Tetra Nitrate generally known as PETN is a standard explosive compound obtained by nitration of Penta Erythritol with concentrated nitric Acid . It is in the form of white crystalline powder insoluble in water and highly soluble in Acetone. It finds its use in the manufacture of Detonating cords as main core material, In the pentolite Booster as a sensitizing charge, in the Detonating as a base charge etc.

APPLICATIONS

Mainly used for Military purposes, Detonator, Detonating fuse and in Pentolites

Characteristics	Super Cord Relay (By-directional Super Cord Relays)
Melting Point	139°C to 1420°C
Nitrogen Content	17.5 % Minimum
Stability by able Heat Test	76.6°C for 10 minutes minimum
Flow Rate (for 500 gram)	200-250 Seconds (Smm Bore Funnel)
Bulk Density (gram/ CC)	0.90±.05
Moisture (for Transportation)	25%
Moisture (For Use)	0.10%
Insoluble in Acetone	0.20%
Acidity as HNO ₃	0.01%
Alkanitv as Na ₂ CO ₃	0.01%
Ash Content	0.05%
Sieve Size(36 BSS)	70-80%
Crystal Shape	Rhombic
HS Code	3602.00.900

Indian Explosive Act : Class - 3, Division – 2
Un Classification : Class - 1.1 D, UN No. 0151

****The above products are our standard product manufactured for the domestic market. However, we can customize as per the requirements of the customers.**