

COPPER DELAY DETONATOR

| PRODUCTS | PESO BRAND ID | CATEGORY | PESO SIZE CODE | No of Detonators in Bunch/ inner box | No of Bunch/ Inner Box | TOTAL Detonators in a Box |
|----------|------------------|--|-------------------|---|---------------------------|---------------------------------|
| | | | | nos. | nos. | nos. |
| NEO CDD | 634 | PERMITTED COPPER DELAY DETONATOR | DBD | 25 | 24 | 600 |
| | | | DBF | 25 | 30 | 750 |
| NEO CED | 633 | PERMITTED COPPER INSTANTANEOUS DETONATOR | DBF | 25 | 30 | 750 |
| | | | DBI | 25 | 40 | 1000 |
| | | | DBL | 25 | 60 | 1500 |

COPPER DETONATOR



PETN

PETN (pentaerythritol tetranitrate) is a secondary explosive which is in the form of white colour hexagonal crystals. It is primarily used as the explosive core load of detonation cord or as an ingredient of composite explosives & a base charge in blasting caps. It is rarely used as a high explosive independently. Cast primers of PETN are also supplied as shaped charges.

SAFETY

- Dropping or igniting it will typically not cause an explosion as it isn't as sensitive as primary explosives. But it is more sensitive to shock and friction as compared to other secondary explosives
- Deflagration to detonation transition can occur under certain conditions
- PETN is the least stable of the common military explosives

ADVANTAGES

- Can be stored without significant deterioration for longer than Nitro-Glycerine or nitrocellulose
- Easier ignition directly with cap and detonating cord
- The paste is soft and easy to shape