



## TNT



### Description

Military grade TNT is widely used as bursting charge for high explosive shell, aircraft bombs, grenades, naval mines, torpedoes, etc. It is by far the most important explosive for blasting charges of all weapons.

It is either used alone or mixed in given proportions with other explosives such as hexogen (RDX) to form hexotol (composition B), hexogen and aluminium to form hexotonal (torpex), PETN to form pentolite, ammonium nitrate to form amatol, etc.

TNT is also used in boosters, detonators, demolition charges, as an ingredient in slurries and for mining industries and other blasting materials.

### TECHNICAL SPECIFICATIONS

Parameter	Type II	Type III	Type IV
Freezing Point (°C)	Min. 80.4	Min. 80.2	Min. 79.5
Moisture (%)	Max. 0.1	Max. 0.1	Max. 0.1
Acidity as sulfuric acid (%)	Max. 0.005	Max. 0.005	Max. 0.005
Insoluble material in toluene (%)	Max. 0.05	Max. 0.05	Max. 0.05
Appearance	Flakes of light yellow to yellow orange color		

### Packaging

- Polyethylene bags, 40 kg net, Palletized.
- UN. No: 0209



## PETN

### Description

PETN is one of the most powerful and most brisant explosives; its stability is satisfactory while it is extremely sensitivity.

It is used in high-efficiency blasting-cap fillings and detonation cords. If phlegmatized with a small amount of wax and pressed, it may be used to produce boosters and fillings for smaller caliber projectiles. PETN can be used incorporated with gelatinous, industrial explosives (e.g. for seismic prospecting).

It is also used in fused, NPED detonators, pentolite Boosters, and inductive charges, molding charges, primary demolition of naval mines, small bullets, and grenades, mixed with Nitrocellulose or synthetic rubbers for production of plastic explosives.

We offer also desensitized PETN that called PENTASTITE (PETN 94%).

### TECHNICAL SPECIFICATIONS

Parameter	
Appearance	White crystalline
Melting Point	Min. 140 °C
Insoluble in Acetone	Max. 0.1 %
Acidity As HNO <sub>3</sub>	Max. 0.01 %
Ash	Max. 0.02 %
Vacuum Stability At 120 °C	Max. 5 ml

### Packaging

- Polyethylene bag, 25 kg net of dry substance in wooden box or barrel.
- UN. No: 0150 , 0411

