



TNT Explosives



TNT has a high degree of stability and, compared to most other explosives, is almost completely resistant to impact and friction. TNT is widely used, especially in military industry. Most often it is used in the production of artillery munitions, anti-per- sonnel and anti-tank mines, air grenades, hand grenades and other kinds of explosive mines, but also in the pro- duction of industrial explosives and detonators.

PRODUCT DESCRITPION :

- Chemical name: 2,4,6-Trinitrotoluene
- Synonyms: TNT, Trinitrotoluene
- Trotyl
- CAS number: 118-96-7
- UN PSN: UN 0209TNT 1.1 D



TNT is by far the most important explosive for blasting charges of all weapons. Either alone or mixed in given proportions with other high explosives such as HMX to form octol, RDX to form hexotol, hexogen and aluminum to form hexotonal, PETN to form pentolite, etc. A mixture of TNT and HNS, known as TNT/HNS, improves the fine crystalline phase and prevents from the formation of cracks. TNT/HNS is used in tank and artillery munitions, shaped charges, bombs, etc.

CHARACTERISTICS :

• Crysta	al Density, g/cm³:	1.654
• Detor	nation Velocity, m/s:	6.900
• Oxyge	en Balance, % (m/m):	-73.9
Heat	of Explosion, kJ/kg:	4.519
• Impa	ct Sensitivity, N/m:	15.0
 Friction 	on Sensitivity, N:	353

TECHNICAL SPECIFICATION :

 Solidification Point, °C, min: 	80.20
 Content of Moisture, % (m/m), max: 	0.10
 Insoluble Matters in Benzene, % (m/m), max: 	0.05
• Acidity (as sulphuric acid - H2S04), % (m/m), max	. 0.01
 Alkalinity, % (m/m): 	Not allowed
Tetranitromethane:	Not allowed
 Nitrates (Nitric Acid): 	Not allowed

TNT/HNS :

- Color and appearance
- TNT content % (m/m)
- HNS content % (m/m)
- Addition agent content % (m/m)
- Exudation test

- Moisture content % (m/m), max.Content volatile oxidize matter

pale yellow to dark brown flake, without mechanical impurities +0,7/98,9/-1,7 +1,5/0,5/-0,3 +0,2/0,6/-0,4 without exudation in progress 7 day on 70 0C 0,1 Must content test relative to examination



Should you have any further enquires, please do not hesitate to contact us at **office@yugoimport.com** All the data given in the brochure are for information purposes only. The final configuration and/or technical specification are defined for each contract individually.