

TRINITROTOLUENE TYPE I
(MIL-DTL-246C)

1. Chemical formula: $C_7H_5N_3O_6$
2. Molecular weight: 227.13
3. Technical characteristics:

Characteristic	Admissible values
Appearance and color	light yellow flakes
Solidification point, °C, min.	80.2
Insoluble particles in organic solvents , %, max.	0.05
Acidity (as H_2SO_4), %, max.	0.005
Alkalinity	None
Sodium content, %, max.	0.001
Average flake thickness, mm, max.	0.635
Moisture, % max.	0.05

4. Packing:
TNT is packed in polyethylene bags then overpacked in woven polypropylene bags according to RID 1993, E 26 5H2.
Net weight: 40 kg.
5. Transport and storage:
 - 5.1. UN hazard Class/Division and Compatibility Group for TNT is 1.1D.
UN Serial No. for TNT is 0209.
 - 5.2. The product shall be stored in protected rooms within the temperature range of $-5\text{ }^{\circ}\text{C}$ to $+25\text{ }^{\circ}\text{C}$.
6. Guarantee: 1 year from the date of manufacturing under the condition that the storage conditions are strictly observed.
7. Lifetime: 20 years, if storage conditions are met.