

Composition B

PRODUCT SPECIFICATION

Name: Hexotol, Hexolite

UN Number: 0118

Class: 1.1D

Composition B, is a high explosive consisting of castable mixtures of RDX and TNT. It is used as the main explosive filling in artillery projectiles, rockets, land mines, hand grenades and various other munitions.

Liquid Gas capability of production is according to:

1. MIL-C-401E
2. Custom made
3. RDX 40%, TNT 60%
4. RDX 50%, TNT 50%

According to MIL-C-401E

| No. | Parameter | Value (Type I) | Value (Type II) |
|-----|---|----------------|-----------------|
| 1 | RDX, % | 59.5 ± 2 | 59.5 ± 2 |
| 2 | TNT, % | 39.5 ± 2.3 | 39.5 ± 2.3 |
| 3 | Desensitizer, % | 1 ± 0.3 | 1 ± 0.3 |
| 4 | Moisture, % | Maximum 0.2 | Maximum 0.2 |
| 5 | Bulk Density, gm/cc | -- | Minimum 0.9 |
| 6 | Insoluble particles remaining on US Sieve #60 | Maximum 5 | Maximum 5 |
| 7 | Viscosity, Efflux sec | | |
| - | Grade A | Maximum 7 | -- |
| - | Grade B | Maximum 17 | -- |
| 8 | Granulation, (%), Thru US Sieve #10 | -- | Minimum 100 |
| 9 | Granulation, (%), Thru US Sieve #200 | -- | Maximum 1 |