



Composition A-5 Explosive

Comp A-5 (RDX / Stearic Acid)

Description

Comp A-5 explosive consists of a pressable mixture of RDX coated with Stearic Acid. It comes in the form of white or colorless granules without visible impurities or signs of moisture.

Application

Comp A-5 is used as pressed composition for boosters and main charges.



Specifications

Composition: RDX: 98.5 + 0.5 / - 0 %
Stearic Acid: 1.0 + 0.5 / - 0 %
per MIL-S-271B
Specification: MIL-DTL-14970D
Synonyms: RDX/Stearic Acid 98.5/1.5

Appearance: solid, granulated, white

Odor/Taste: odorless, tasteless

Moisture: ≤ 0.10%

Cyclohexamone: ≤ 0.30%

Granulation:

USSS 12 Pass: ≥ 99%

USSS 200 Pass: ≤ 2.4%

Insoluble Particles:

USSS 40 Retain: ≤ 0 particle

USSS 60 Retain: ≤ 5 particles

Bulk Density: ≤ 0.95 g/cm³ at 20°C

Loaded Density: 1.70 g/cm³ at 20 ksi

Heat of Formation: 6.2 kcal/mol

Heat of Detonation: 1.61 kcal/g

Shipping

Hazard Class: 1.1 D

UN Number: 0483

Shipping Name: RDX, Desensitized

Packing: 25 ± 0.2 kg / sealed plastic bag
1 plastic bag / cardboard box

Box Dimensions: 380 x 375 x 335 mm

Box Gross Weight: 27 kg