



Composition A-3 Explosive

Comp A-3 (RDX / Wax)

Description

Comp A-3 explosive consists of a pressable mixture of RDX and desensitizing wax. It comes in the form of white or colorless granules without visible impurities or signs of moisture. It is non-hygroscopic and possesses satisfactory stowage properties. It is appreciably more brisant and powerful than TNT.

Application

Comp A-3 is used as pressed composition for boosters and main charges.



Specifications

Composition:	RDX: 91 % Wax: 9 %
Specification:	MIL-DTL-440D
Synonyms:	RDX/WAX – 91/09, binary
Appearance:	solid, granulated, white
Odor/Taste:	odorless, tasteless
Cast Density:	1.57 g/cm ³
Loaded Density:	1.63 g/cm ³ at 20 ksi
Melting Point:	200°C
Decomp. Temp.:	250°C
Gas Volume:	862 cm ³ /g
Det. Pressure:	300 kbar at 1.60 g/cm ³
Det. Velocity:	8180 m/s at 1.60 g/cm ³ 8470 m/s at 1.64 g/cm ³
Hygroscopicity:	0% at 30°C 90% RH
Heat of Comb.:	1210 cal/g
Heat of Formation:	2.84 kcal/mol
Detonation Heat:	1.58 lkcal/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