



Double Base Propellant for 60, 81 & 120 mm Ignition Charges



General

These charges are used for initial ignition that fires increment charges for 60, 81 and 120mm. They are kinds of double base propellants containing NC, NG, plasticizer and stabilizer.

Storage: Double base flake (for Ignition Cartridge) should be stored in -10°C up to +30°C.

Shelf life: 15 years

TECHNICAL SPECIFICATIONS

Type	60mm	60mm L.R	81mm	81mm LR	120mm
Form	Flake	Strip	Flake	Flake	Flake
Dimension (mm)	1.5 × 1.5	200 × 40	2 × 2	2 × 2	2 × 2
Thickness (mm)	0.1 - 0.2	0.1 - 0.2	0.1 - 0.2	0.1 - 0.2	0.1 - 0.2
Moisture (%)	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5	≤ 0.5
Heat of explosion (cal/gr)	1300 ± 20	1210 ± 20	1300 ± 20	1300 ± 20	1300 ± 20
Stability at 120°C (min.)	≥ 40	≥ 40	≥ 40	≥ 40	≥ 40

BALLISTIC SPECIFICATIONS

	60mm	60mm L.R	81mm	81mm LR	120mm
Total charge (gr)	5	3	9	9	30
Velocity (m/s)	88 ± 2	60 ± 2	68 ± 2	77 ± 2	80 ± 2



HIGH EXPLOSIVES

Ball Powder for 81 & 120 mm Ignition Charges

General

Ball powder for Ignition Cartridge of 81mm and 120mm mortar.

Packaging: Ball powder (for Ignition Cartridge) is packed in seal metal drum or fiber drum and packages are placed on pallet in Shrinkage form. Net weight of each drum is 40 kg

Storage: Ball powder (for Ignition Cartridge) should be stored in -10°C up to +30°C.

Shelf life: 15 years

TECHNICAL SPECIFICATIONS

	81mm	120mm
Charge (gr)	9	34
Muzzle velocity (m/s)	80 ± 2	68 ± 2
Average Grain Diameter (mm)	0.55 ± 0.05	0.6 ± 0.05
Appearance density (g/lit)	900 - 950	920 - 960
Stability at 120°C (min)	Min. 60	Min. 60
Moisture & Volatile	Max. 0.8	Max. 0.8

