



ORBITALA
who dares wins

Single Base Powder 3/1G

PRODUCT: Single Base Powder 3/1G

- Smokeless power / Black granules solid
- Nitrocellulose (NC) as main energetic material, Diphenylamine (DPA) and graphite.
- suitable for 7.62 x54mm machine gun cartridge, 120mm mortar gun type 55 as addition charges and as flash reducer in full and reduced charge for 122mm howitzer gun
- UN Number: UN 0161
- CAS No. : Mix

CHARACTERISTICS :

Description	Unit	Content
Total volatility	%	≤ 2.5
External volatility	%	1.0-2.0
DPA	%	1.0-2.0
Internal volatility	%	≥ 0.2
Graphite	%	≤ 0.25
Average web	mm	0.3-0.38
Average diameter of hole	mm	0.1-0.2
Average length	mm	1.7-2.3
Chemical stability at 134.5 °C	min	≥ 40

Ballistic Specifications	Charge 1	Charge 6
Average muzzle velocity, m/s V_0	119 \pm 3	272 \pm 3
probable error of muzzle velocity m/s	≤ 1.5	≤ 1.5
Chamber pressure per set, MPa Pm	-	≤ 101.0
Max. chamber pressure, MPa Pm	-	≤ 107.9