



0.38"



PROPELLANT AND HIGH EXPLOSIVES

General

Single base disk form propellant contains Nitrocellulose (NC), Diphenylamine (DPA) and additives. It is glazed with graphite. This propellant is used in 0.38 inch caliber cartridges for 0.38 pistols (Colt and Revolver)



TECHNICAL SPECIFICATIONS

Diameter	1.8 ± 0.5 mm
Thickness	0.4 ± 0.1 mm
Diphenylamine (DPA)	1-2 %
Ash	Max. 0.4 %
Graphite	Max. 0.4 %
Moisture & volatile	0.4 - 1.3 %
Stability at 134.5 °C	≥ 60 min

BALLISTIC SPECIFICATIONS

Total charge	~ 0.4 gr
Average Velocity (normal)	290 ± 5 m/s
Average Velocity (flat head)	240 ± 6 m/s
Std. dev. of velocity	≤ 8 m/s
Average Pressure at +21°C	≤ 1200 bar
Pressure of single round at 21°C, +71°C and -33°C	≤ 1520 bar

9×19 mm

General

Single base non-perforated cylindrical grain contains Nitrocellulose (NC), Diphenylamine (DPA) and additives. It is glazed with graphite. This propellant is used in 9 ×19 cartridges for Parabellum SIG ·S&W ·CZ 99 ·Beretta and equivalent pistol.



TECHNICAL SPECIFICATIONS

Length	1.4 ± 0.3 mm
Diameter	0.5 ± 0.1 mm
Diphenylamine(%)	1 - 2 %
Graphite (%)	≥ 0.2 %
Ash (%)	≥ 0.4 %
Moisture & Volatiles (%)	≥ 1.6 %
Heat of explosion (cal/gr)	≥ 1000
Stability at 134.5 °C (min)	≥ 40

BALLISTIC SPECIFICATIONS

Total charge	~ 0.34 gr
Average Velocity (HEI)	395 ± 6 m/s
Std. dev. of velocity	≤ 8 m/s
Average Pressure at +21°C	≤2350 bar
Pressure of single round at 21°C, +71°C and -33°C (bar)	≤ 2800 bar