



57 mm Anti Aircraft



General

Single base seven perforated propellant cylindrical grain, category 11/7 is a kind of single base propellant containing Nitrocellulose (NC) and Diphenylamine (DPA).

Applications

This propellant is used as anti-aircraft ammunition for anti-aircraft gun type S60 and ZSU-57-2.



TECHNICAL SPECIFICATIONS

Length	15.00 ± 0.80 mm
Hole diameter	0.53 ± 0.06 mm
Web thickness	1.15 ± 0.10 mm
External moisture	1.3 ± 0.3 %
Residual solvent	≥ 0.8 %
Stability at 134.5 °C	≥ 55

BALLISTIC SPECIFICATIONS

Total charge	1180 (approx.) gr
Muzzle Velocity	1000 m/s
Max. Pressure at 15 °C	3180 bar

76.62 mm NAVAL

General

Single base seven perforated cylindrical grain contains Nitrocellulose (NC), Diphenylamine (DPA), Dinitrotoluene(DNT) and additives. It is used in 76mm ammunitions (for 76mm Oto-Melara cannon or equivalent).



TECHNICAL SPECIFICATIONS

Length	14.4 ± 0.5 mm
Diameter	6.4 ± 0.25 mm
Hole diameter	0.45 ± 0.05 mm
Diphenylamine	1-2 %
Total volatiles	≤ 1.7 %
Moisture	0.6 ± 0.2 %
Heat of explosion	800 ± 20 cal/gr
Stability at 134.5 °C	≥ 40 min

BALLISTIC SPECIFICATIONS

Total charge	~ 2400 gr
Average Velocity	900 ± 10 m/s
Std. dev. of Velocity	≤ 3 m/s
Average Pressure	≤ 3155 bar