



30 mm- F7



General

Single base seven perforated propellant cylindrical grain (6/7) contains Nitrocellulose (NC), Diphenylamine (DPA) and additives. It is glazed with graphite. This propellant is used in 30mm cartridges for aircraft gun (F7 warplane).



PROPELLANT AND HIGH EXPLOSIVES

TECHNICAL SPECIFICATIONS

Length	4.5 ± 0.3 mm
Hole diameter	0.15 ± 0.05 mm
Internal Web thickness	0.5 ± 0.2 mm
External Web thickness	0.65 ± 0.15 mm
Diphenylamine (DPA)	1 - 2 %
Moisture & volatile	≤ 1.5 %
Heat of explosion	870 - 950 cal/gr
Stability at 134.5 °C	≥ 60 min

BALLISTIC SPECIFICATIONS

Total charge	~ 70 gr
Average Velocity (HEI)	790 ± 10 m/s
Std. dev. of velocity	≤ 10 m/s
Average Pressure _x at +21°C	≤ 2650 bar
Pressure of single round at 21°C, +71°C and -33°C	≤ 3000 bar

30 mm- MIG 29

General

Single base seven perforated propellant cylindrical grain (6/7) contains Nitrocellulose (NC), Diphenylamine (DPA) and additives. It is glazed with graphite. This propellant is used in 30mm cartridges for aircraft gun (MIG 29).



TECHNICAL SPECIFICATIONS

Length	4.5 ± 0.3 mm
Hole diameter	0.15 ± 0.05 mm
Internal Web thickness	0.5 ± 0.2 mm
External Web thickness	0.65 ± 0.15 mm
Diphenylamine (DPA)	1-2 %
Moisture & volatile	≤ 1.5 %
Heat of explosion	870-950 cal/gr
Stability at 134.5 °C	≥ 60 min

BALLISTIC SPECIFICATIONS

Total charge	~ 118 gr
Average Velocity (HEI)	870 ± 10 m/s
Std. dev. of velocity	≥ 8 m/s
Average Pressure _x at +21°C	≤ 3000 bar
Pressure _x of single round at 21°C, +71°C and -33°C	≤ 3400 bar