



**General**

1- Double base rocket propellant, Tubular grains, is a kind of double base propellant containing Nitrocellulose (NC), Nitroglycerine (NG), Dinitrotuloene (DNT), Burning rate catalyst, Centralite and wax. It can be produced by solventless extrusion process.

2- Double base Strip propellant is a kind of double base propellant containing Nitrocellulose (NC), Nitroglycerine (NG), plasticizer and Stabilizer.

**Application:**

1- Double base tubular grain is used as flight propellant in SPG-9 rocket family.

2- Double base strip type propellant is used as start ignition charges for SPG-9 rocket family.

**Storage:** should be stord in -10°C up to +30°C

**Shelf life:** 15 years (min)



**TECHNICAL SPECIFICATIONS**

Type	Start Ignition Charge	Flight Propellant
Length(mm)	272 ± 1	215.5 ± 0.8
External diameter (mm)	6 ± 0.3	42.4 ± 0.45
Internal diameter (mm)	-	10.45 ± 0.3
Thickness (mm)	0.6 ± 0.05	-
Width (mm)	7.5 ± 0.3	-
Weight (gr)	-	465 - 480
Specific gravity (gr/cm <sup>3</sup> )	-	1.61 min
Heat of Explosion (cal/gr)	1160 ± 20	1040 ± 25
Stability at 120 °C	≥ 40	≥ 40