

## ARTILLERY AMMO ADDITIVE SHEETS

### PERFORATED ADDITIVE LINER

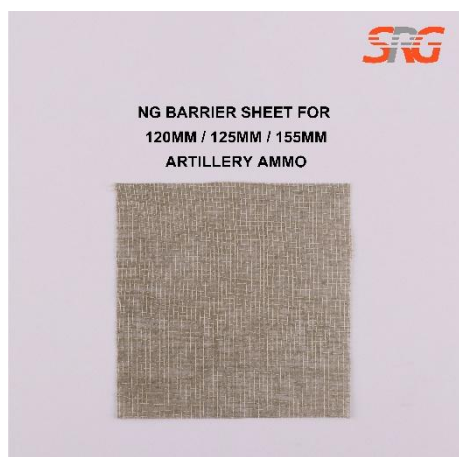


An additive liner for tank ammunition—specifically for large-caliber rounds like 105mm, 120mm or 155mm Armor-Piercing Fin-Stabilized Discarding Sabot (APFSDS) & Fin Stabilized Armour Piercing Discarding Sabot (FSAPDS) Ammunition is a specialized, combustible component designed to increase gun barrel life by reducing erosion. The liner acts as a wear-reducing additive that forms an insulating layer on the bore surface, protecting it from the high-temperature propellant gases often improving it from 100 to 1,000 rounds.

#### Key Specifications

- Insulating/Cooling Layer: Waxy mixture (paraffin and microcrystalline wax) combined with talc (talcum powder) or TiO<sub>2</sub>
- Combustible/Strengthening Layer: Cotton gauze base, coated with waxy mixture, and is sometimes perforated to manage combustion.

### NITROGLYCERIN BARRIER (NG-Barrier)



NG Barrier sheets are specialized protective packing materials composed of tin-coated polyester film reinforced with cotton gauze for tank gun ammunition. Act as a barrier material for hazardous energetic materials and ammunition packaging to prevent contamination and degradation.

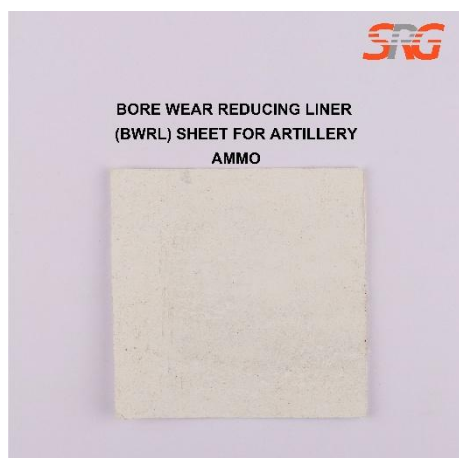
#### Key Specifications

- Tin-coated polyester film
- Reinforced with cotton gauze for strength.

#### Applicable Ammunition Types:

- 120mm/125mm/155MM FSAPDS Ammunition.

### BORE WEAR-REDUCING LINERS (BWRL)



BWRL is a specialized sheets placed inside tank gun cartridge cases—typically between the propellant and the casing—to create a protective, insulating layer on the bore surface during firing. These liners significantly extend the life of high-velocity tank cannons by reducing the thermal and chemical erosion caused by hot propellant gases.

#### Key Specifications:

- Insulating Layer: Contains a waxy mix of Microcrystalline Wax along with additives such as K<sub>2</sub>SO<sub>4</sub>, TiO<sub>2</sub> etc.
- Combustible/Strengthening Layer: Non-Woven cloth having defined physical and chemical properties onto which a uniform waxy layer is applied
- To increase combustibility of the cloth, a layer of tin can be also coated on the back side of waxy layer.