Application and user’s advantages

The Base Bleed effect consists in increasing the pressure at the base of the shell during flight, through the combustion of a propellant grain, therefore reducing drag. It results in:

- Up to 30% enhanced projectile range,
- No reduction in accuracy.
Product Description

Associated to a suitable igniter, Base Bleed grains can be fitted on various artillery shells, such as 155mm, 105mm, 122mm, 130mm...

Product Characteristics

- Excellent mechanical properties even after aging with propellant strain greater than 40%,
- Low sensitivity to relative humidity,
- Easy adjustment of burning rate with catalyst,
- Strong cohesive bonding between insulator and propellant, warranting excellent reproducibility of the mass flow rate, and a perfect behavior during aging,
- Lower glass transition point.

The thermoplastic technology developed by EURENCO provides outstanding advantages, such as:

- Complex shape design,
- High production rates and reliable manufacturing,
- Dimensional control from tooling,
- No bubble or crack,
- No cure cycle,
- No sedimentation.