

SANLUB P 161

SANLUB P 161 is a homogeneous metallic soap mixture obtained by physically blending separately reacted calcium stearate and zinc stearate in specific ratios. This method preserves the advantages of both components while providing process control and cost efficiency.

AREAS OF APPLICATION

- Used as a heat stabilizer and processing lubricant in PVC production.
- Employed as a lubricant in all types of compounding processes, including masterbatch, engineering plastics, and calcium carbonate compounds produced from polymers such as PE and PP.
- Acts as a mold release agent, enabling thermoplastics to be easily removed from molds during processing.
- Used to improve flowability and processability in plastics such as polyolefins, polystyrene, and ABS.
- Enhances the surface quality of plastic products, providing gloss and smoothness.
- Reduces the effects of moisture on products due to its water-repellent properties.

RECOMMENDED DOSAGE

The recommended dosage varies depending on the formulation, processing conditions, and product type.

PACKAGING

The product is packaged in **20 kg PP or kraft bags**, or optionally in **1000 kg big bags** upon request.

STORAGE

Store in a **cool, dry place**, away from **rain, snow, and direct sunlight**.

SHELF LIFE

Shelf life is **24 months**.

CHEMICAL DESCRIPTION

$C_{36}H_{70}CaO_4 / C_{36}H_{70}ZnO_4$ (Fatty acids C16–C18, mixture of calcium and zinc salts)

CHEMICAL AND PHYSICAL

Analysis Method	Specification Limits
Chemical Character	Combination of Dispersing Agents
Appearance (Physical Form)	Powder
Appearance (Color)	White
Moisture (105 °C)	max % 0.5
Ash	% 16 ± 4
Free Fatty Acid	max % 0.5
Bulk Density	0.500 ± 0.100 (g/ cm ³)

OCCUPATIONAL HEALTH AND SAFETY

- Appropriate **personal protective equipment** should be used. Wearing a **mask, protective clothing, gloves, and eye/face protection** is recommended.
- Avoid **uncontrolled release of the product into the environment**.
- For detailed information, refer to the **Material Safety Data Sheet (MSDS)**.
- The **MSDS**, containing information on the safe **handling, storage, and use** of the product, is available upon request.
- This **Technical Data Sheet (TDS)** does not exempt users from compliance with applicable regulations regarding **food safety, handling of hazardous materials, and occupational health and safety**.
- Nothing in this document should be interpreted as permission to **violate third-party patents** or **contravene existing laws and regulations**.