



# Product Information

CODE 5966H

## ZINC STEARATE PM ULTRAFINE HYDENSE®

**Description** Medium to low bulk density, fine white powder.

Properties	Test	Specification	Typical Property
	Assay (%ZnO)	16.0 max%	13.7%
	Free Fatty Acid (%)	1.0% max.	0.1%
	Moisture (%)	0.5% max.	0.2%
	Soluble Salts	0.1% max.	Negligible
	Sieve US Std. 325 Mesh	99.0 % min. through	99.5%
	Bulk Density (Scott Volumeter)	12 - 17 lb./ft <sup>3</sup>	14

**Features** Zinc Stearate PM Ultrafine is produced from the highest quality zinc oxide and fatty acid raw materials for powdered metal applications requiring a fine particle size lubricant with good flow and blending characteristics.

**Performance** The consistency in quality of raw materials and processing results in a product with excellent handling, blending and dispersion properties in powdered metal and a large variety of other materials.

Controlled particle size and density contributes to optimized performance in admixture with iron powder in terms of consistent apparent densities, flow characteristics and uniform die fill operations.

Engineered particle size provides rapid and uniform mixing with metal powders, resulting in production of metal powder compacts with excellent green strength and sintered parts with excellent tensile strength and dimensional stability.

Controlled process stoichiometry produces a zinc stearate that is virtually 100% lubricant with no excess mineral impurities to detract from the lubricant value and add impurities to the powdered metal part.

The fine particle size combined with the purity of the zinc stearate provides the lowest stripping pressures and best overall lubrication properties for preserving the life of expensive die tooling.

**Quality Control** A modern, state-of-the-art plant process with strict control ensures consistent quality in chemical and mechanical properties.

**Regulatory** Meets FDA requirements under 21 CFR for indirect food contact applications.

**Packaging** Standard 40 x 50 lb. bags on stretch wrapped pallet or 1000 lb. supersacks.

**Storage** Storage in dry areas at normal ambient temperatures is recommended. Open containers of unused product should be firmly closed for storage.

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