



## XEON PTFE MICROPOWDER FG

### Description

Xeon FG is a polytetrafluoroethylene (PTFE) ultra fine, virgin powder, with a primary particle size of 0.2 microns.

The primary particles are agglomerated to form loose aggregates of 2 to 5 microns, which can be broken down to sub-micron particles under certain conditions.

Xeon FG is packaged in 15 kg fiberboard drums, with an internal polyethylene liner.

### Applications

Xeon FG complies with FDA 177.1550 and FDA 175.300 regulations for food contact, and is also approved by NSF, Category HX-1 to formulate lubricants authorized for incidental food contact (H1).

Xeon FG is primarily used in lubricants to reduce friction and wear, improve load-carrying characteristics, and as a thickener to manufacture food grade greases. Due to its high specific surface area, it has good oil absorption.

Xeon FG may also be used in packaging coatings, can coatings and other varnishes to impart abrasion resistance to the coating, when contact with food is a concern.

### Typical characteristics

Appearance/color	Bright white, free flowing, powder	Xeon Standard
Average bulk density	300 g/l	ASTM D4895
Average apparent particle size (d50)	3 to 4 $\mu$	Laser Diffraction
Particle size distribution (d10; d90)	0.4 – 8.0 $\mu$	Laser Diffraction
Melting point	325 °C	ASTM D4894
Specific surface area	5 – 10 m <sup>2</sup> /g	ASTM D4567

### Packaging

15 kilograms per barrel. Each pallet contains 27 barrels for convenient transportation and storage.

### Safety warning

Inhaling evaporates can cause harm! Please carefully read the Material Safety Data Sheet (MSDS) before using FG. This sheet can be obtained from the supplier. FG packaging must be opened and used in a well-ventilated place. Inhaling evaporates generated during high-temperature processing or smoking contaminated tobacco can lead to flu-like symptoms (chills, high fever, sore throat). High-temperature processing must be carried out in a fully ventilated working environment. Do not smoke tobacco contaminated by FG.