



PTFE (PolyTetraFluoroEthylene) micronized powder Product # JD-PTFE-270

Micronized PTFE Powder – Additive Applications.

Micronized PTFE powder is engineered for use as an additive in various materials. Its key properties include:

- Low friction
- Wear and abrasion resistance
- Heat and flame resistance
- Chemical inertness and insolubility
- High tensile strength

Typical Applications:

- Inks, paints, and coatings
- Thermoplastics and thermosets
- Elastomers and high-performance polymers
- Greases, lubricants, and release agents

PTFE is especially effective in systems requiring durability under extreme temperatures, pressures, or corrosive conditions.

Properties of PTFE Micronized Powder

● Inert to practically all chemical solvents	● Modify appearance	● Improve Weather Resistance
● UV Protection	● Non-Aging Characteristics	● Improve Thermal Stability
● Excellent Electrical insulator	● Toughness and Flexibility	● Useful Properties at –240 °C (–400 °F)
● Enhance abrasion Resistance	● Non-stick Characteristics	● Moderate Stiffness and High Ultimate Elongation
● Improve surface Finish	● Negligible Moisture Absorption	● Exceptional Dielectric Properties
● Reduce friction coefficient and mechanical wear	● Service Temperature up to 260 °C (500 °F)	● Stable with Frequency and Temperature

● Increase Rub Resistance	● Improve Water Repellency	● Improves Gloss Retention
● Increase Mar Resistance	● Improve Moisture Resistance	● Improves Tribological Properties
● Improve Slip Resistance	● Used in All Waterborne Applications	● Improves Texture
● Improves Flexibility	● Improves Clarity	● Improves Fatigue Stress Resistance
● Improves Vibration Dampening	● Improves Noiselessness	● Improves Dimensional Stability
● Low Cold Flow	● Excellent Low Stick-Slip Effect	● Improves Thermal Dissipation Capacity
● Imparts Low Surface Energy	● Improves Toughness	● Improves Anti Drip Properties

Applications of PTFE Micronized Powder

Offset, Gravure and Flexographic Inks	Digital and Electronic Inks	Coatings, Industrial, Automotive Top Coats
Graphic Arts	Paints	Adhesives
Waxes and Polishes	Cleaners	Wood Protection
Thermoplastic Fibers	Wire and Cable	Plastic / Thermoplastic gears components
Elastomers	Lubricants, Greases and Oils	Cosmetics like personal care, hair care and sunscreens
Agricultural Chemicals and Pesticides	Textile Fibers	Electronics/Electrical coatings and components
Polymeric Computer Chips	Batteries	Explosives & Pyrogenics
Anti Graffiti Application	Stone Marble and Concrete Protection	Stone Enhancers
Brake Pads for Automobiles	Computer Key Board	Car Wax

Properties of JD-PTFE-270

Color: White

Physical Form: Free flowing

powder Bulk Density (g/L): 300

Specific Gravity (g/cm³):

2.16 SSA (m²/g): 3

Particle Size D50: < 3

micron Melting Point:

325 C Moisture Content

(wt%): <0.1

JD-PTFE-270 is available in 1 Kg, 5 Kg and 25 Kg packs

