

Oliotex Industrial: Advanced Hot Oil Purification

Overview Oliotex Industrial is a next-generation oil purification material engineered for demanding industrial environments. Built on advanced nano-structured natural zeolite technology, Oliotex Industrial is designed to remove microscopic contaminants from high-temperature oils, improving operational efficiency, extending fluid life, and protecting critical equipment.

Key Applications

- **Thermal Oils:** Solar power, plastic molding, chemical reactors
- **Hydraulic Fluids:** High-pressure industrial machinery, elevators, presses
- **Lubricating Oils:** Turbines, bearings, high-speed mechanical systems
- **Synthetic Fluids:** Aerospace, automotive, precision manufacturing

How It Works Oliotex Industrial utilizes tailored zeolite structures with controlled nano-sized pore systems. These structures adsorb harmful compounds such as oxidized byproducts, metal particulates, water vapor, and acids without chemically altering the base oil. The system is thermally stable and operates under high temperatures and pressures.

Key Benefits

- **Extended Oil Life:** Reduces replacement frequency by adsorbing degradation products
- **Equipment Protection:** Prevents micro-contaminant buildup that causes wear and fouling
- **Process Stability:** Maintains optimal fluid properties for longer operational uptime
- **Environmentally Friendly:** Decreases hazardous waste and supports sustainability targets

Integration Options

- Cartridge-style filters for inline purification
- Packed-bed adsorption modules
- Batch regeneration and reusability systems

Why Oliotex Industrial? Unlike conventional filters or synthetic additives, Oliotex Industrial works at the molecular level and is regenerable, making it an efficient and sustainable solution for hot oil systems across industries.