

Lead Oxide Water Dispersion

Lead oxide (PbO) dispersion is technologically important and is potential candidates for making electron multipliers, ultra-low loss wave guides, glass-to-metal seals, IR transmitting devices and optical gratings. Optical properties like refractive index and extent of transmission in the UV-visible region can be modified by incorporating suitable additives, subjecting the samples to optical irradiation at different wavelengths and treatment under hydrogen environment, etc. The consumption of lead, and hence the processing of PbO, correlates with the number of automobiles because it remains the key component of automotive lead-acid batteries.

Properties

- ✓ Semiconducting and photoconducting properties
- ✓ Excellent chemical stability,
- ✓ High conductivity,
- ✓ Large overpotential,
- ✓ Chemical inertness for electrolysis in an acid medium

Quick Facts

Purity	: 99.9%
APS	: <80nm
Concentration	: Customer requirement
Dispersing Agent	: Organic Solvent (DMF), IPA, Ethanol, Water (ddH ₂ O)
Form	: Slurry, Suspension, Dispersion, Colloidal



Applications

- ✓ Importance in imaging devices
- ✓ Electrophotography
- ✓ Electroradiography
- ✓ Laser technology
- ✓ Wastewater treatment
- ✓ Ozone generation
- ✓ Analytical sensors, electro-winning of metals, and battery electrodes.

Lead oxide DISPERSION

Pb₂O₃
Dispersion



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