

Lead

ZIRCONA TETITANATE
POWDER

Quick FACTS

- ✓ Product : Lead Zirconate Titanate Powder
- ✓ Color : Gray Powder
- ✓ Stock No : NS6130-12-001289
- ✓ CAS : 12626-81-2
- ✓ Purity : 99.9%
- ✓ APS : 40-60 μ m
- ✓ Other Metal : 800ppm

Lead zirconate titanate is an inorganic compound with the chemical formula $Pb[Zr_xTi_{1-x}]O_3(0 \leq x \leq 1)$ ($O_{5PbTiZr}$). (lead zirconate titanate) is a piezoelectric ceramic material with a crystalline perovskite structure which is commonly used in high temperature and sensitivity applications. PZT-based piezoceramics excite attention since they offer excellent piezoelectric properties to design different sensors and actuators. Lead Zirconate Titanate, also called PZT, is a ceramic perovskite material that shows a marked piezoelectric effect. When applied electric field on it, the shape of the material can be changed. Due to its large electro-optic coefficient and fast response speed, its photoelectric effect can be used to make optical switches, light regulators, optical storage, gratings, and other devices.



CE ISO 9001:2015
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ISO: 13485:2016/20ZICE4588M
CE: 20ZICE4589C

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Lead

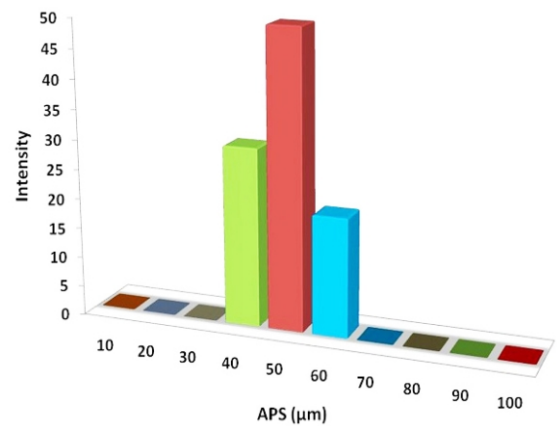
ZIRCONA TETITANATE
POWDER

Applications

- ✓ Light regulators
- ✓ Optical storage
- ✓ Gratings
- ✓ Optical switches.

Packing Sizes Available

25Gms, 50Gms, 100Gms,
500Gms & Bulk Orders



Technical SPECIFICATION

Molecular Formula	Molecular Weight	Density	Curie temperature
O5PbTiZr	303.06 g/mol	7.7 g/cm ³	170-360 °C

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