

LEAD ZIRCONATE TITANATE POWDER

Stock No: NS6130-12-001289



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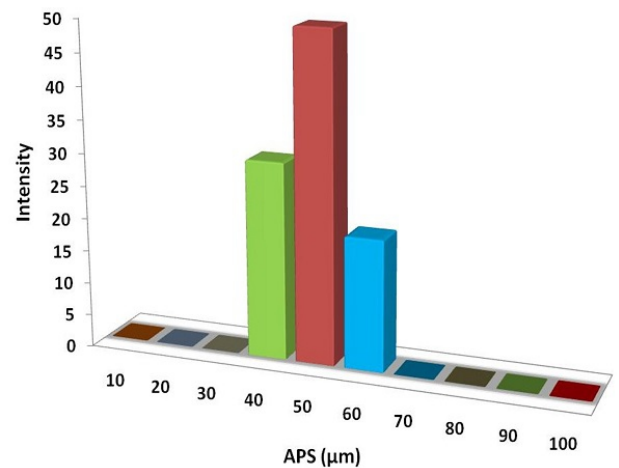
Lead Zirconate Titanate Powder

Lead zirconate titanate is an inorganic compound with the chemical formula $Pb[Zr_xTi_{1-x}]O_3$ ($0 \leq x \leq 1$) ($O_5PbTiZr$). PZT (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.

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



Technical Specification

Molecular Formula	Molecular Weight	Density	Melting Point
$O_5PbTiZr$	303.06 g/mol	7.7g/cm ₃	170-360 °C

Applications

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

ISO 9001:2015
CERTIFIED COMPANY



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