

# Lead Dioxide Powder







APS  
40-60μm

NS6130-12-001346



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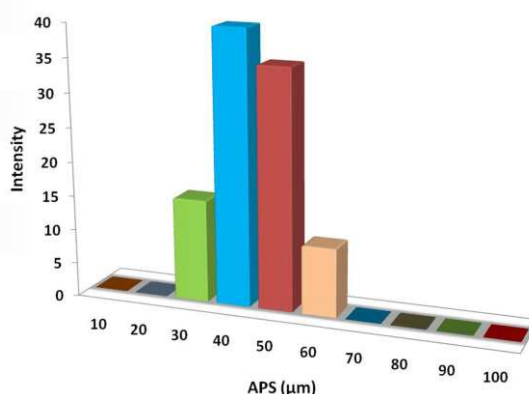
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# Lead Dioxide Powder

Lead dioxide (PbO)-containing glasses are technologically important and are 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

## Quick Facts

|          |   |                     |
|----------|---|---------------------|
| Product  | : | Lead Dioxide Powder |
| Stock No | : | NS6130-12-001346    |
| CAS      | : | 1306-19-0           |
| Purity   | : | 99%                 |
| Color    | : | Brown, Red-Brown    |
| Form     | : | Powder              |



## Technical Specification

| Formula          | APS     | Molecular Weight | Melting Point |
|------------------|---------|------------------|---------------|
| PbO <sub>2</sub> | 40-60μm | 239.19 g/mol     | 290 °C        |

## Chemical Composition

| Product             | Weight Percent (nominal) |             |
|---------------------|--------------------------|-------------|
|                     | PbO <sub>2</sub>         | Other Metal |
| Lead Dioxide Powder | 99%                      | 0.1%        |

## Applications

- Optical properties
- Additives
- Semiconductors

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