

## Antimony Telluride

|                  |   |
|------------------|---|
| Chemical Formula | Sb <sub>2</sub> Te <sub>3</sub> - Nominal |
| Available Doping | Sulfur, Sodium, Bismuth                   |

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### Chemical Data

|           |            |
|-----------|------------|
| Antimony  | 39-41 at.% |
| Tellurium | 59-61 at.% |

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### Physical Data

|                       |                   |
|-----------------------|-------------------|
| Appearance            | Light Grey Powder |
| Formula Weight        | 626               |
| Bulk (Powder) Density | Appr. 2 g/cc      |

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### Nanocrystal Data

|               |   |
|---------------|---|
| Size          | Avg. 10-50 nm   |
| Melting point | 450-485 °C  |
| Stability     | Stable under ambient conditions and up to 40-45 °C in air |

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