

Bismuth Telluride

Chemical Formula	Bi ₂ Te ₃ - Nominal
Available Doping	Sulfur, Sodium, Antimony

Chemical Data

Bismuth	39-41 at.%
Tellurium	59-61 at.%

Physical Data

Appearance	Black Powder
Formula Weight	801
Bulk (Powder) Density	Appr. 2 g/cc

Nanocrystal Data

Size	Avg. 10-50 nm
Melting point	500-550 °C
Stability	Stable under ambient conditions and up to 45-50 °C in air

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