

Antimony Bismuth Telluride 8/32

Chemical Formula	Sb _{1.6} Bi _{0.4} Te ₃ - Nominal
Available Doping	Sulfur, Sodium, Selenium

Chemical Data

Antimony	31-33 at.%
Bismuth	7-9 at.%
Tellurium	58-61 at.%

Physical Data

Appearance	Dark Grey Powder
Formula Weight	661
Bulk (Powder) Density	Appr. 2 g/cc

Nanocrystal Data

Size	Avg. 10-50 nm
Melting point	475-500 °C
Stability	Stable under ambient conditions and up to 45-50°C in air

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