

Specification Sheet

Bismuth Antimony Telluride -Based Composite

(Purity: 99.99%, APS: 20-30 μ m)

Stock No: NS6130-12-000490, CAS: 1304-82-1

Product	:	Antimony (Sb) doped Bismuth Telluride
Stock No	:	NS6130-12-000490
CAS	:	1304-82-1
Purity	:	99.99%
APS	:	20-30 μ m
Molecular Formula	:	Bi _{0.5} Sb _{1.5} Te [3-0.1]
Molecular Weight	:	800.76 g/mol
Appearance	:	Grey powder
Density	:	7.642 g/cm ³
Melting Point	:	586 °C
Electric resistance	:	0.6 \times 10 ⁻⁵ Ω m
Thermal Conductivity	:	1.2-1.6 w/m.K
Type	:	p-Type
Solubility	:	Insoluble
Main Inspect Verifier	:	Manager QC

Note: Product Specification are subject to amendment and may change over time