

Cadmium Sulfide

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| Formula | CdS |
| Crystal Growth | |
| Growth Method | Physical vapor transport (PVT) |
| Max. Size (mm) | 10 x 10 |
| Crystallographic Properties | |
| Crystal Structure | hexagonal |
| Lattice Constant (nm) | a = 0.414 c = 0.672 |
| Physical Properties | |
| Color | orange |
| Density (g/cm ³) | 4.83 |
| Melting Point (K) | 1750 |
| Thermal Expansion (10 ⁻⁶ K ⁻¹) | a ₁₁ = 6.3, a ₃₃ = 3.5 |
| Specific Heat (J/g K) | 0.47 |
| Thermal Conductivity (at room temp.) (W/cmK) | 0.2 |
| Hardness (Mohs) | 3-4 |

