

Optical Properties - Cadmium Manganese Telluride (CdMnTe) Magneto Optical Crystals

Cd 0.55 Mn 0.45 Te

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Transmission Range: 630nm to 22 μ m

Verdet constant: 0.67min/E*cm @ 904nm, 7min/E*cm @ 630nm

Absorbance: 0.3 cm⁻¹ @ 800nm, ~0.2 cm⁻¹ @ 904nm, 0.12 cm⁻¹ @ 1000nm, <0.1cm⁻¹@1100nm, 0.02 cm⁻¹ - 0.03 cm⁻¹ @1500nm

Extinction: Emin -28db, Emax -22db

Reflection Loss: 32%@904nm (2 surfaces)

Physical Properties--- Cadmium Manganese Telluride (CdMnTe) MagnetoOptical Crystals

Damage Threshold: 3j/cm²

Structure: cubic, Zink blende

Melting Point: ~ 1070° C



Chemical Properties - Cadmium Manganese Telluride (CdMnTe) Magneto Optical Crystals

Solubility: Insoluble in water.

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