Technical Data Sheet Product Code: IR Dye 532 Product Description: 515nm NIR Dye

Properties Appearance: red free flowing powder Melting Point: 128°C – 130°C Lambda Max: 515 nm Absorptivity: 43 (L g⁻¹ cm⁻¹) Solubility (grams/100 grams of solvent): Acetone, Methanol



Absorption Curve

Transmission Curve



Due to its' excellent balance of properties, **Dye 532** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

Polycarbonate Infrared Filters – With good absorption around 532 nm, this dye is used to protect against the Doubled Nd:YAG laser. IR Dye 532 has excellent visible light transmission. This dye has sufficient thermal stability for molding into polycarbonate parts.

Acrylic Infrared Filters – With good solubility in PMMA, and good stability during the curing process, this is the dye of choice for protecting against the Doubled Nd: YAG laser in acrylic filters and windows.



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