

Technical Data Sheet

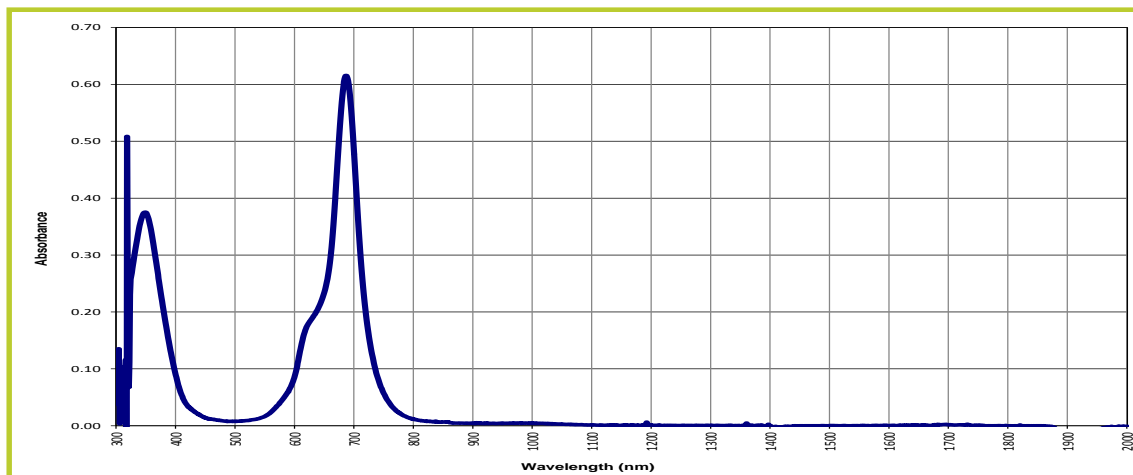
Product Code: **IR Dye 6084**

Product Description: 686nm NIR Dye

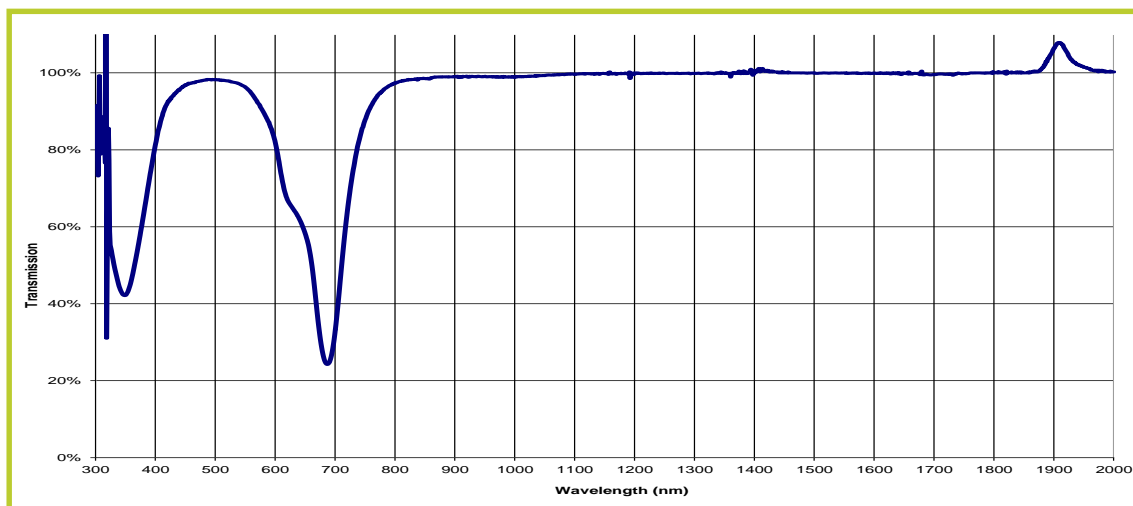
Properties

Appearance: **blue free flowing powder**
Melting Point: **193°C – 195°C**
Lambda Max: **686 nm**
Absorptivity: **73 (L g⁻¹ cm⁻¹)**
Solubility (grams/100 grams of solvent):
MEK = 32, Xylene = 1.24, Cyclohexanone = 8.2,

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 6084** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

IR Dye 6084 has excellent solubility in polycarbonate, acrylics and many solvents, and is used in a broad range of applications.

Laser Eye Protection – Provides excellent protection from the Ruby / Diode laser.

Inks and Coatings – Due to its' excellent solubility in a broad range of organic solvents, including methanol, IR Dye 6084 finds use in applications where the absorption of Infrared energy is needed in inks and coatings. These applications range from protective eyewear to security inks.



Adam Gates & Company