

# Technical Data Sheet

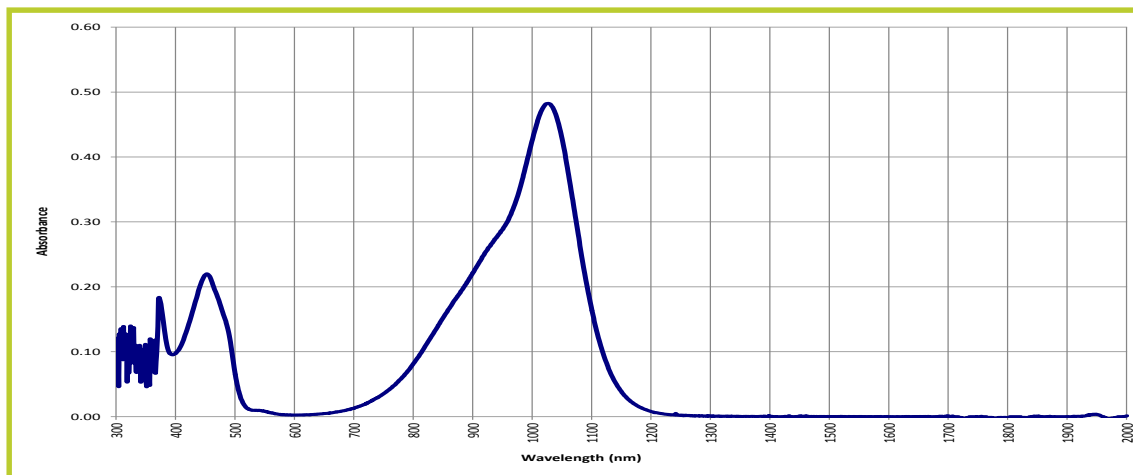
Product Code: **IR Dye 2066**

Product Description: **977nm NIR Dye**

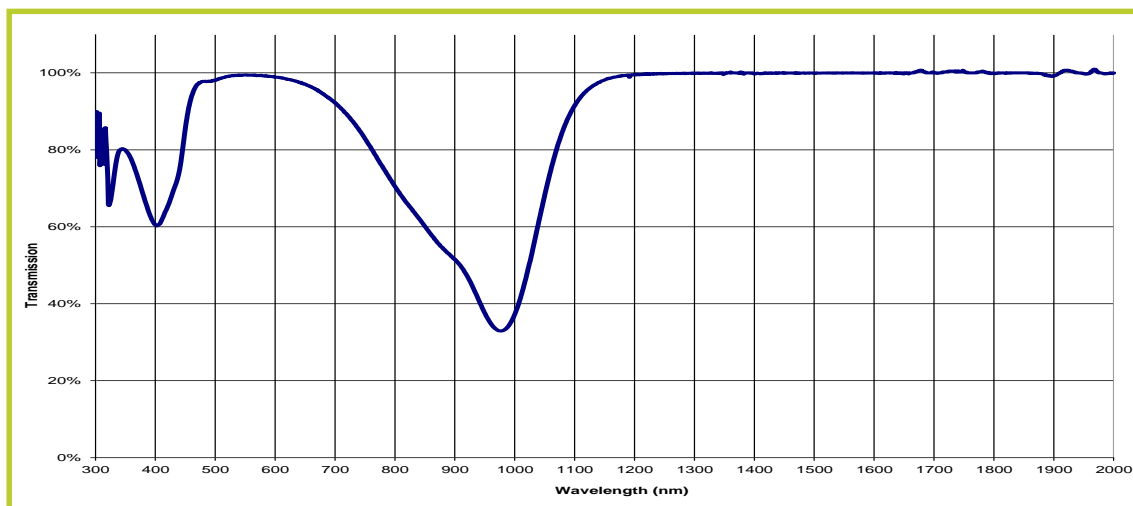
## Properties

Appearance: **green free flowing powder**  
Melting Point: **103°C – 107°C**  
Lambda Max: **977 nm**  
Absorptivity: **82 (L g<sup>-1</sup> cm<sup>-1</sup>)**  
Solubility (grams/100 grams of solvent):  
**MEK = 6.5 grams, Methyl pyrrolidinone = 5.0 grams, Ethyl acetate = 2.0 grams, THF = 6.1 grams, Cyclohexanone = 6.1 grams**

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 2066** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

**Suitable for cell cast acrylics**

**Inks and Coatings** – Due to its' excellent solubility in a broad range of organic solvents, including methanol, IR Dye 2066 finds use in applications where the absorption of Infrared energy is needed in inks and coatings. These applications range from heat shielding window films to security inks.

Contains no metal.



Adam Gates & Company