

Technical Data Sheet

Product Code: **IR Dye 7164**

Product Description: **996nm NIR Dye**

Properties

Appearance: **green free flowing powder**

Melting Point: **111°C – 116°C**

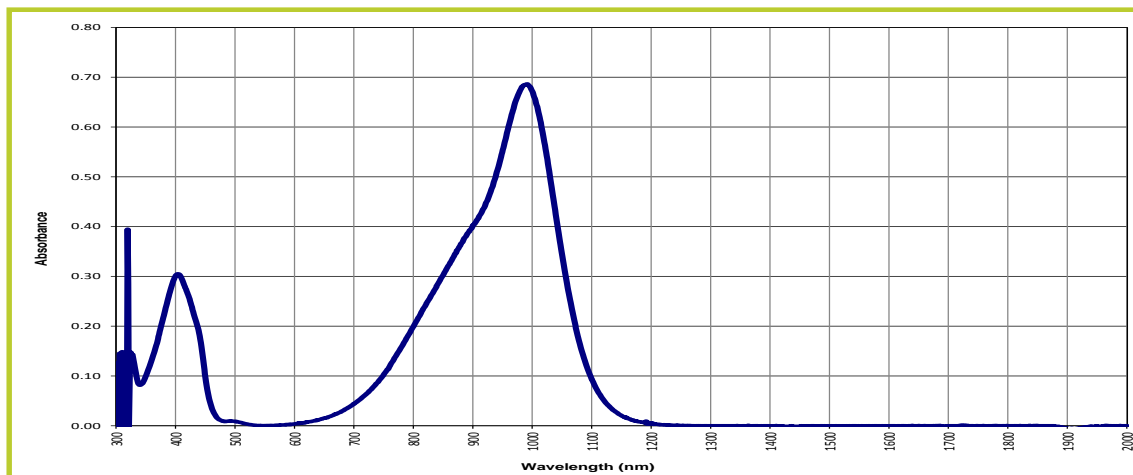
Lambda Max: **996 nm**

Absorptivity: **57 (L g⁻¹ cm⁻¹)**

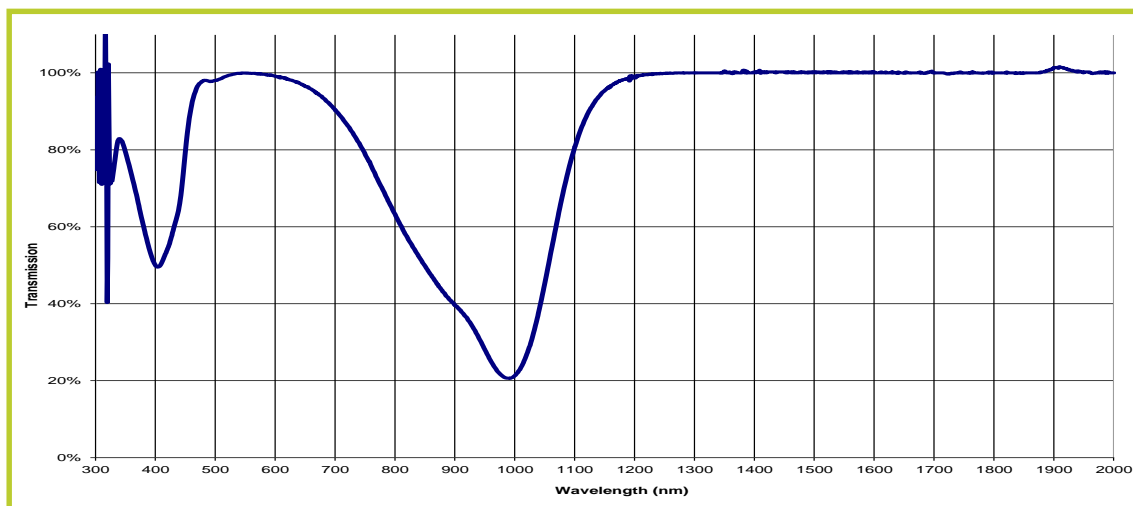
Solubility (grams/100 grams of solvent):

Methanol, Acetone

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 7164** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

Increased Thermal Stability: IR Dye 7164 which has increased thermal stability, allowing it to be used in lower melt flow polycarbonate, thereby imparting greater impact strength to the molded part.

Laser Eye Protection: IR Dye 7164 is the preferred dye for protecting against the Nd:YAG laser because of its excellent absorption at 1064 nm, and excellent transmission of visible light.



Adam Gates & Company