

Technical Data Sheet

Product Code: **IR Dye 9740**

Product Description: 740nm NIR Dye

Properties

Appearance: **green/black free flowing powder**

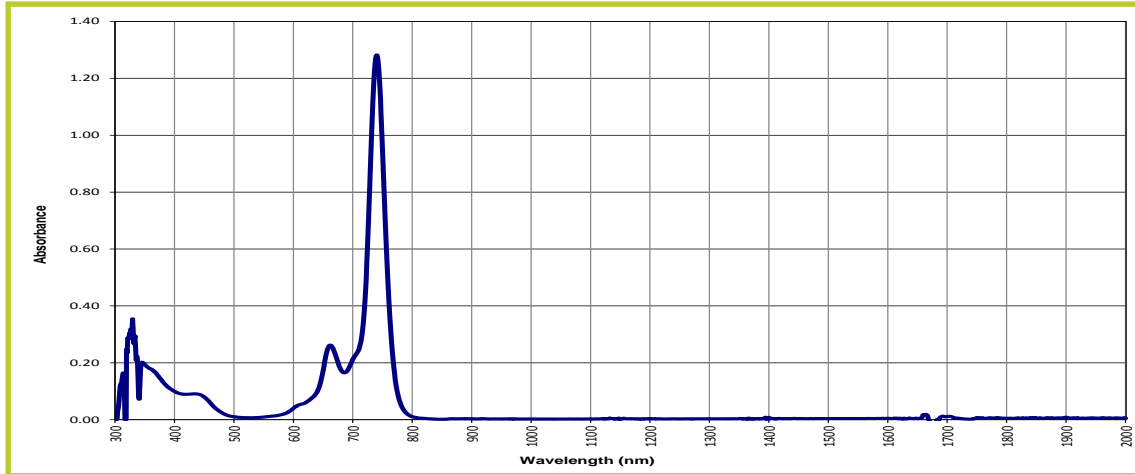
Melting Point: **184°C – 187°C**

Lambda Max: **740 nm**

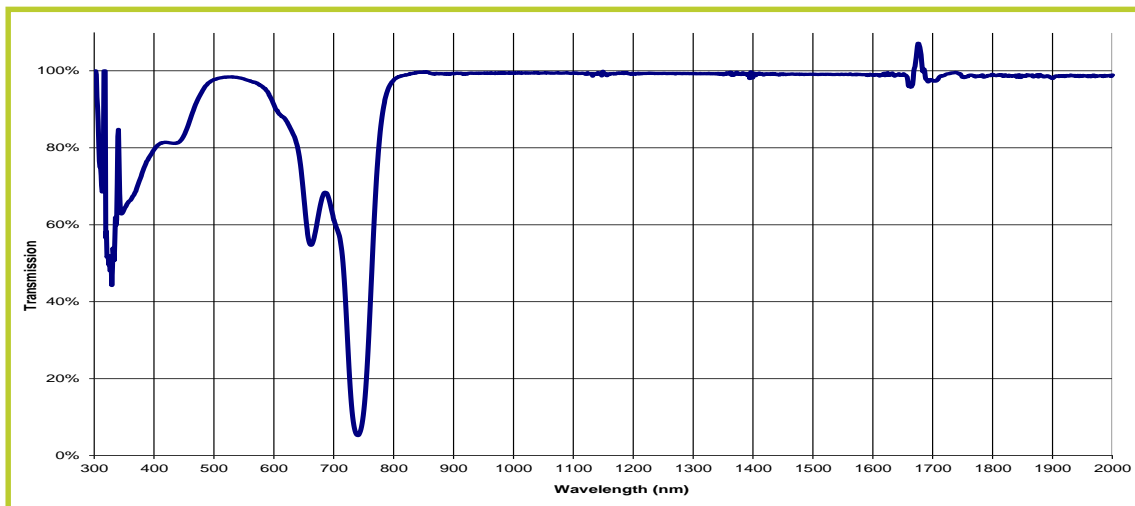
Absorptivity: **182 (L g⁻¹ cm⁻¹)**

Solubility (grams/100 grams of solvent):
toluene

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 9740** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

Applications:

Band pass filters: very sharp cutoff at 740 nm. Can be used in polycarbonate

Laser protective eyewear – Protection at 740nm, with excellent visible light transmission.



Adam Gates & Company