

Technical Data Sheet

Product Code: **IR Dye 9772**

Product Description: **772nm NIR Dye**

Properties

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

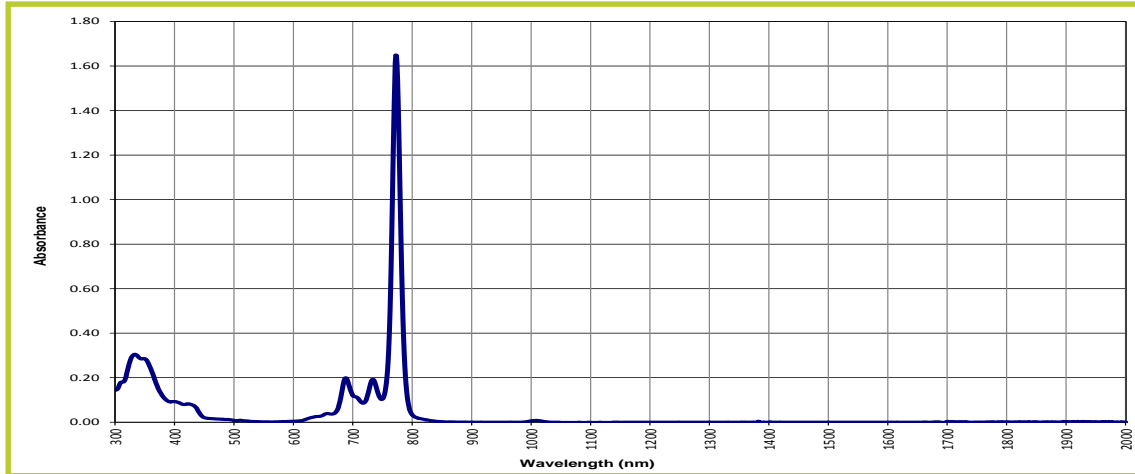
Melting Point: **270°C**

Lambda Max: **772 nm**

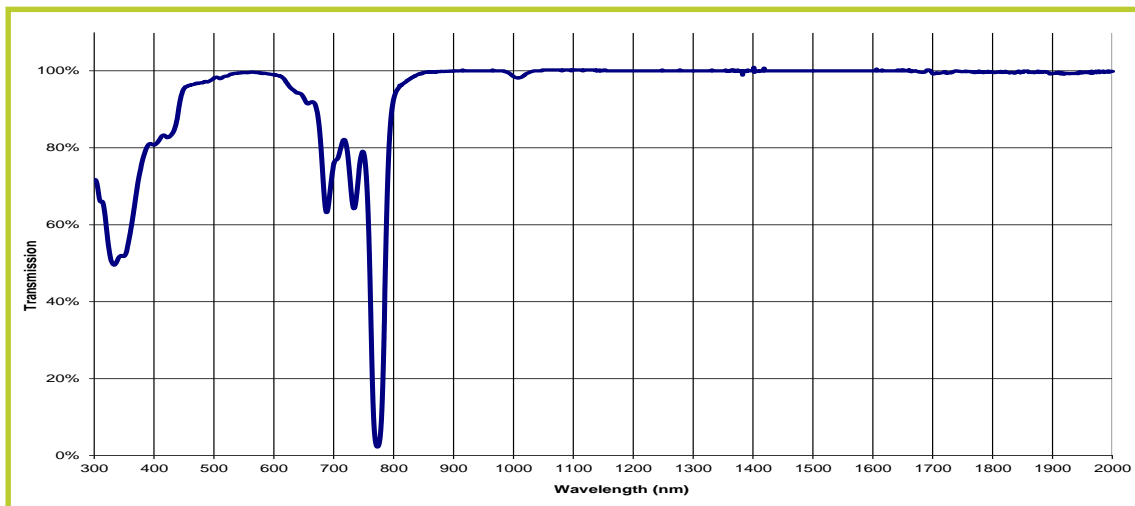
Absorptivity: **303 (L g⁻¹ cm⁻¹)**

Solubility (grams/100 grams of solvent):
chloroform

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 9772** 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 772 nm. Can be used in polycarbonate

Laser protective eyewear – Protection at 772nm, with excellent visible light transmission



Adam Gates & Company