

Technical Data Sheet

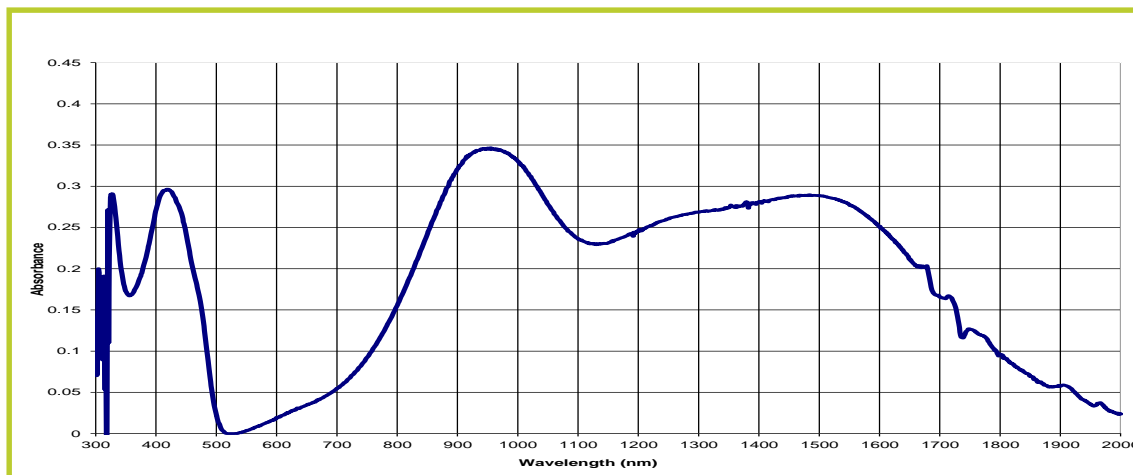
Product Code: **IR Dye 1111**

Product Description: **953nm NIR Dye**

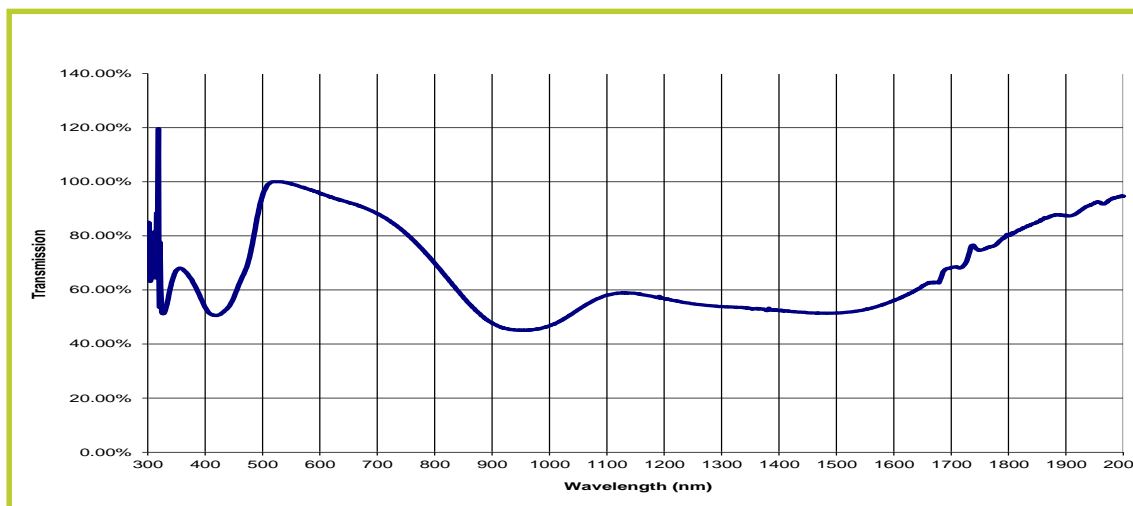
Properties

Appearance: **green free flowing powder**
Melting Point: **145°C – 146°C**
Lambda Max: **953 nm**
Absorptivity: **22 (L g⁻¹ cm⁻¹)**
Solubility (grams/100 grams of solvent):
MEK = 42, Toluene = 1.24, Cyclohexanone = 15.2, Et Acetate = 3.41, THF = 5.84

Absorption Curve



Transmission Curve



Due to its' excellent balance of properties, **IR Dye 1111** finds use in a broad range of applications where the absorption of Infrared light, and the transmission of Visible light is important:

IR Dye 1111 can be molded into **high melt polycarbonate**, used in various coating, and cast into PMMA sheets.

New Developments- The best process ability in high temperature applications

