

Technical Data Sheet

Product Code: **820nm Long Pass**

Product Description: **820nm Long Pass**

Properties

Appearance: **violet free flowing powder**

Appearance in solution/plastic: **red/black**

Melting Point: **180°C +**

Absorption @ 820nm: **100%**

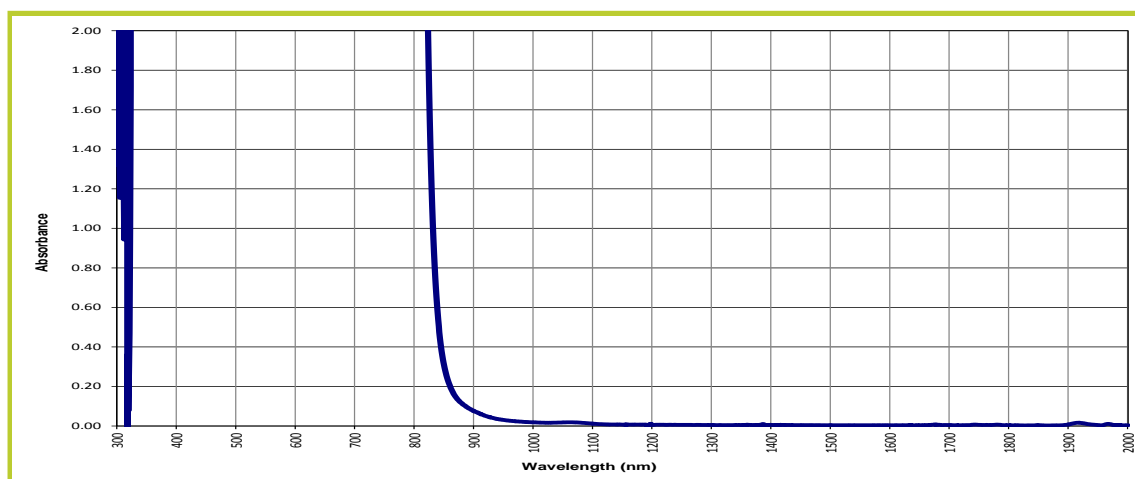
Solubility: **acetone, thermoplastics, solvent based inks, coatings and epoxy systems.**

Due to its' excellent balance of properties, **820nm LP** finds use in a broad range of applications where the absorption of visible light, and the transmission of infrared light above 820nm is important.

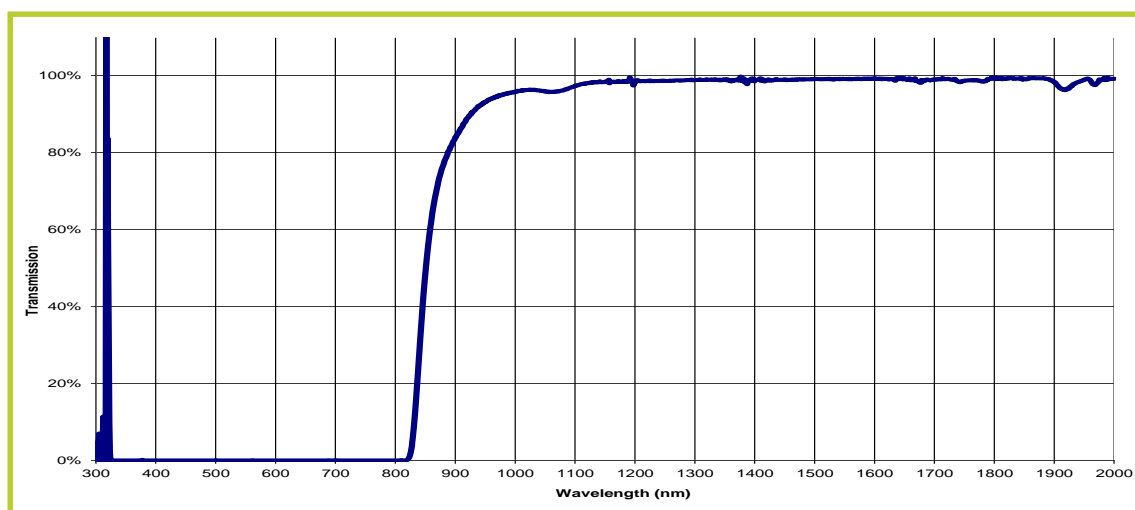
Notes:

A formulated dye mixture designed to block transmission of visible light, while maximizing transmission of infrared light above 820nm. This dye has the thermal stability to be processed into molded, or extruded polycarbonate. It has excellent solubility in oxygenated solvents such as acetone, MEK and alcohols.

Absorption Curve



Transmission Curve



Adam Gates & Company, LLC
Fine Chemicals and Near Infrared Dyes

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