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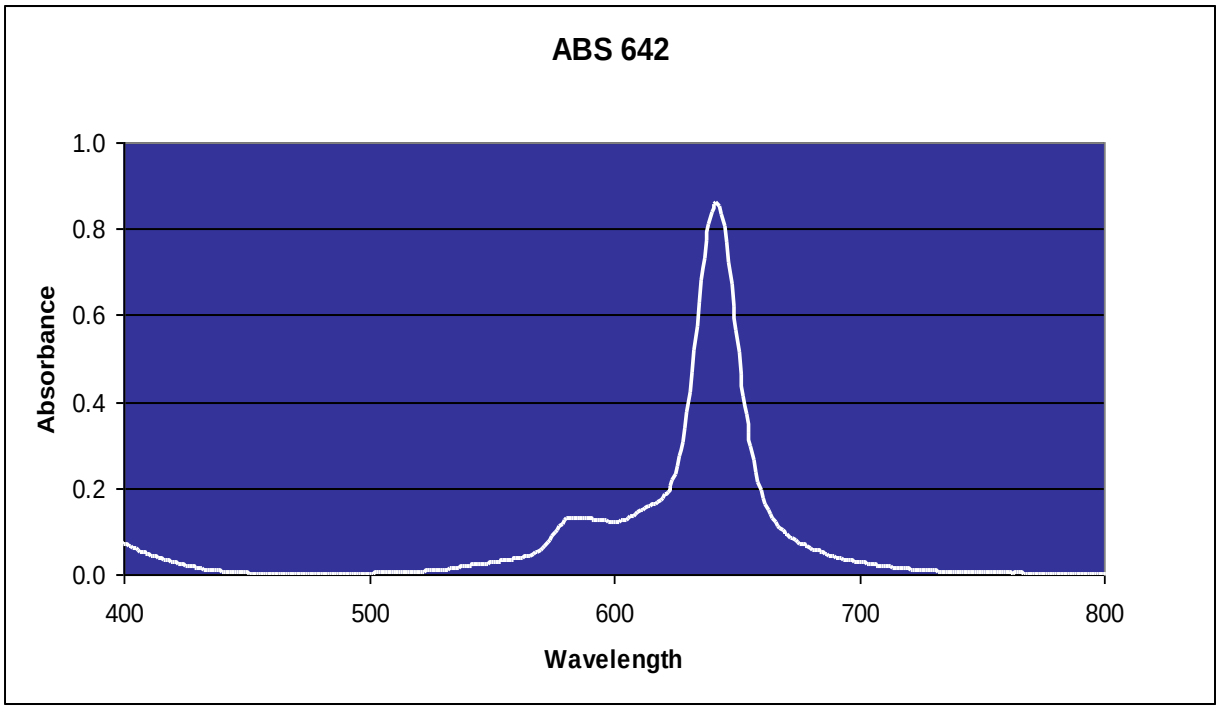
ABS 642: Visible Narrow Band Absorber

Properties

Composition	Proprietary Coordination Complex[1]
Peak Wavelength	635 ± 1 nm (methanol); 642 ± 1 nm (methylene chloride);
	643 ± 1 nm (chloroform); 646 ± 1 nm (polycarbonate);
Strength	> 185 L/gm-cm (methanol)
Appearance	Blue powder
Solubility	45 gm/L (chloroform), 25 gm/L (tetrahydrofuran)
	24 gm/L (methylene chloride), 10 g/L (isopropanol)
	10 gm/L (methyl ethyl ketone), 8 g/L (toluene)
	< 1 gm/L (isopropyl alcohol)
Melting Point	> 300 °C
Solar Stability	Excellent

Spectrum (methylene chloride)



1. Exciton offers this dye as general purpose, suitable for use in optical filters of all types (displays, spectacles, detectors, etc.). This product is offered under a non-analysis agreement and may be available for licensing for specific applications that require selective absorption and high temperature stability. Please contact Exciton for licensing or additional technical information.