

# Visible Dye Selector

## 300nm – 700nm Absorbing Dyes

The dyes listed below, are arranged in order of increasing wavelength of maximum absorption. Go down the list to find a dye, which has maximum absorption at a wavelength near your wavelength of interest. The Absorptivity reports the relative amount of energy, per unit weight, absorbed at the  $\lambda_{Max}$  by a particular dyes. These dyes can be used in many applications including cast acrylics, polycarbonate molding and many inks and coatings. The comments section identifies those dyes which are recommended for either cast acrylic or molded polycarbonate. Please call Adam Gates & Company at +1 908.829.3386 and we will be happy to help you identify the best dye for your application.

$\lambda_{Max}$ (nm)	Dye Name	Absorptivity	Dye Type
347	DYE VIS 347	47.25	Yellow
400	DYE VIS 400 PC	69	Yellow
400	DYE VIS 400	28.33	Brown
409	DYE VIS 409	26.58	Orange
436	DYE VIS 436	29.27	Yellow
441	DYE VIS 441 PC	126.77	Yellow
442	DYE VIS 442 PC	147.42	Yellow
446	DYE VIS 446	18.92	Orange-Red
464	DYE VIS 464 PC	114.81	Orange
464	DYE VIS 464	35.96	Orange
468	DYE VIS 468	37.30	Orange
484	DYE VIS 484 PC	79.64	Red
487	DYE VIS 487	33.83	Red
495	DYE VIS 495	38.85	Fire Red
504	DYE VIS 504	32.83	Red
532	DYE VIS 532 PC	42.8	Red
542	DYE VIS 542 PC	38.42	Red-Violet
555	DYE VIS 555 PC	93.05	Red
556	DYE VIS 556 PC	82.63	Pink
575	DYE VIS 575 PC	28.02	Black
576	DYE VIS 576 PC	27.11	Black
606	DYE VIS 606 PC	164.24	Blue
620	DYE VIS 620 PC	22.59	Blue
624	DYE VIS 624 PC	37.67	Blue
628	DYE VIS 628 PC	38.43	Blue
631	DYE VIS 631 PC	38.43	Blue
670	DYE VIS 670 PC	51.93	Blue
671	DYE VIS 671 PC	66.34	Blue
682	DYE VIS 682 PC	28.25	Green

\*PC suitable for polycarbonate processing.