

AstronTM UV

Pigment dispersions for UV curable coatings



Experience the Penn Color Difference

Penn Color serves the widest base of applications in the industry, with both colors & functional additives for thermoplastics, and dispersions for inks & coatings. The position that Penn Color holds makes a difference for customers: as a global leader, Penn Color is a stable and dependable partner, offering world-class knowledge, experience and capabilities; as a privately held company, Penn Color is fast, nimble, willing to take calculated risks, and easy to do business with.

Astrad Range

Astrad is a portfolio of water-based, solvent-based and UV dispersions for a broad range of applications in architectural, automotive and industrial coatings.

Astrad Formulations

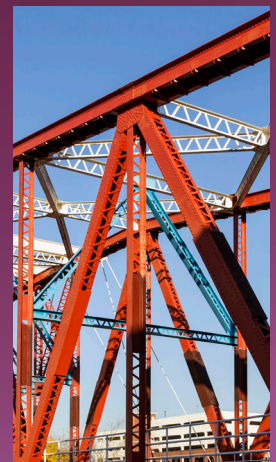
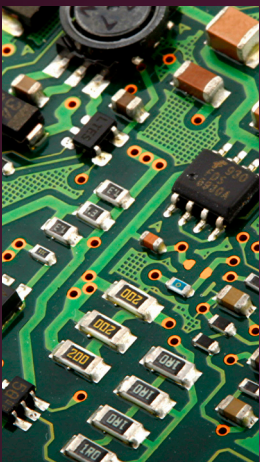
Astrad is available both as a portfolio of standard colorants and as proprietary technologies used by Penn Color to formulate custom dispersions on demand.

Astrad-UV Properties

ASTRAD-UV is a broad range of pigment dispersions available in 100% solids in a variety of monomer systems (TRPGDA/HDODA/IBOA). ASTRAD-UV is a sustainable solution, offering low energy curing, broad compatibility and various degrees of functionality to ensure optimal performance with excellent shelf life.

Applications

ASTRAD-UV is especially formulated for industrial coatings, wood coatings, marine and protective coatings and composites.



Color Palette

TRPGDA

Tri (Propylene Glycol) Diacrylate



Yellow Iron Oxide Trans.

PY 42 Trans. 1.39
 35 152
 Excellent



Disazo Yellow GG

PY 128 1.09
 16.8 5,484
 Very Good



Diarylide Yellow

PY 13 1.09
 25 1,080
 Good



Benzimidazolone Yellow Opaque

PY 154 Op. 1.23
 45 372
 Excellent



Bismuth Vanadate Yellow

PY 184 2.27
 65 225
 Excellent



Yellow Iron Oxide Opaque

PY 42 Op. 1.80
 56.2 663
 Excellent



Arylide Yellow

PY 74 1.15
 30 3,060
 Good



Burnt Sienna

PBr 7 1.51
 43.2 2,856
 Excellent



Burnt Umber

PBr 7 1.39
 36 478.5
 Excellent



Y/S Phthalo Green

PG 36 1.24
 25 1,302
 Excellent



B/S Green

PG 7 1.22
 27.5 151
 Excellent



Indanthrone Blue

PB 60 1.20
 37.5 22,760
 Excellent



G/S Blue

PB 15:3 1.14
 24.3 1,326
 Excellent



Magenta

PR 122 1.11
 20 1,360
 Excellent

Color Palette

TRPGDA

Tri (Propylene Glycol) Diacrylate



Magenta RTV

PR 202 1.11
 15 90
 Excellent



Violet

PV 23 1.11
 20 3,024
 Very Good



Red Iron Oxide Opaque

PR 101 Op. 2.19
 66 750
 Excellent



Red Iron Oxide Trans.

PR 101 Trans. 1.34
 30 165
 Excellent



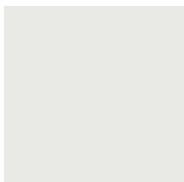
DPP Red

PR 254 1.15
 30 1,110
 Excellent



Naphthol Red

PR 170 1.15
 40 2,700
 Poor



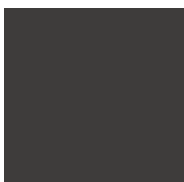
Titanium White

PW 6 2.31
 75 1,900
 Excellent



Carbon Black

PB 7 1.14
 20 240
 Excellent



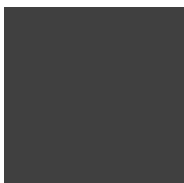
Carbon Black

PB 7 1.28
 40 384
 Excellent



Carbon Black Ultra

PB 7U 1.18
 25 208.5
 Excellent



Lamp Black

PB 6 1.19
 30 147
 Excellent

Color Palette

HDODA
Hexanediol Diacrylate



Yellow Iron Oxide Trans.

PY 42 Trans. 1.37
 35 57.5
 Excellent



Disazo Yellow GG

PY 128 1.07
 16.75 10,500
 Very Good



Diarylide Yellow

PY 13 1.07
 25 3,960
 Good



Benzimidazolone Yellow Opaque

PY 154 Op. 1.21
 45 23,790
 Excellent



Bismuth Vanadate Yellow

PY 184 2.26
 65 138
 Excellent



Yellow Iron Oxide Opaque

PY 42 Op. 1.78
 56.2 294
 Excellent



Arylide Yellow

PY 74 1.08
 22.5 17,820
 Good



Burnt Sienna

PBr 7 1.47
 43.2 4,968
 Excellent



Burnt Umber

PBr 7 1.37
 36 67.5
 Excellent



Y/S Phthalo Green

PG 36 1.22
 25 1,016
 Excellent



B/S Green

PG 7 1.11
 27.5 3,090
 Excellent



Indanthrone Blue

PB 60 1.15
 33 274
 Excellent



G/S Blue

PB 15:3 1.12
 24.3 1,332
 Excellent



Magenta

PR 122 1.09
 20 1,416
 Excellent

Color Palette

HDODA
Hexanediol Diacrylate



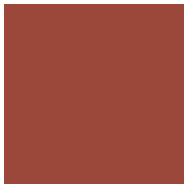
Magenta RTV

PR 202 1.09
 15 97.5
 Excellent



Violet

PV 23 1.10
 20 804
 Very Good



Red Iron Oxide Opaque

PR 101 Op. 2.15
 66 522
 Excellent



Red Iron Oxide Trans.

PR 101 Trans. 1.32
 30 74.5
 Excellent



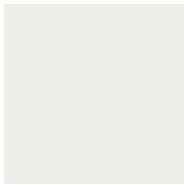
DPP Red

PR 254 1.15
 30 3,534
 Excellent



Naphthol Red

PR 170 1.12
 30 212
 Poor



Titanium White

PW 6 2.34
 75 1,008
 Excellent



Carbon Black

PB 7 1.12
 20 507
 Excellent



Carbon Black

PB 7 1.26
 40 214
 Excellent



Carbon Black Ultra

PB 7U 1.16
 25 105
 Excellent



Lamp Black

PB 6 1.17
 30 552
 Excellent

Color Palette

IBOA
Isobornyl Acrylate

	Yellow Iron Oxide Trans. ● PY 42 Trans. 1.34 ▲ 35 50 💡 Excellent		Benzimidazolone Yellow Opaque ● PY 154 Op. 1.19 ▲ 45 156 💡 Excellent
	Diarylide Yellow ● PY 13 1.04 ▲ 25 14,310 💡 Good		Disazo Yellow GG ● PY 128 1.04 ▲ 16.76 4,950 💡 Very Good
	Bismuth Vanadate Yellow ● PY 184 2.21 ▲ 65 78 💡 Excellent		Yellow Iron Oxide Opaque ● PY 42 Op. 1.74 ▲ 56.3 919.5 💡 Excellent
	Arylide Yellow ● PY 74 1.20 ▲ 30 4,152 💡 Good		Burnt Sienna ● PBr 7 1.44 ▲ 43.2 7,170 💡 Excellent
	Burnt Umber ● PBr 7 1.33 ▲ 36 66 💡 Excellent		Y/S Phthalo Green ● PG 36 1.19 ▲ 30 5,040 💡 Excellent
	B/S Green ● PG 7 1.16 ▲ 27.5 1,038 💡 Excellent		Indanthrone Blue ● PB 60 1.13 ▲ 33 252 💡 Excellent
	G/S Blue ● PB 15:3 1.10 ▲ 24.3 88 💡 Excellent		Magenta ● PR 122 1.06 ▲ 20 1,180 💡 Excellent

● Pigment | ▲ Pigment Loading %BW | 💡 Lightfastness | 📦 Specific Gravity (lbs/gal) | 📏 Viscosity

The accuracy or completeness of product information is not guaranteed and is subject to change without notice.

Color Palette

IBOA
Isobornyl Acrylate



Magenta RTV

PR 202 1.06
 15 58
 Excellent



Violet

PV 23 1.07
 20 132
 Very Good



Red Iron Oxide Opaque

PR 101 Op. 2.08
 66 14,580
 Excellent



Red Iron Oxide Trans.

PR 101 Trans. 1.29
 30 186
 Excellent



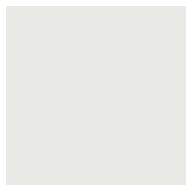
DPP Red

PR 254 1.12
 30 1,860
 Excellent



Naphthol Red

PR 170 1.13
 40 750
 Poor



Titanium White

PW 6 2.30
 75 1,710
 Excellent



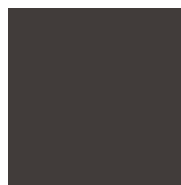
Carbon Black

PB 7 1.09
 20 186
 Excellent



Carbon Black

PB 7 1.23
 45 188
 Excellent



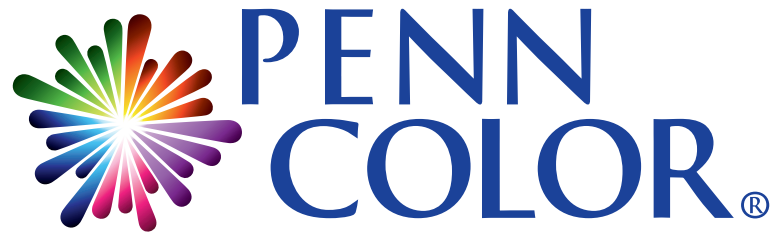
Carbon Black Ultra

PB 7U 1.13
 25 117
 Excellent



Lamp Black

PB 6 1.15
 30 102
 Excellent



HATFIELD, PENNSYLVANIA | VENRAY - THE NETHERLANDS | SINGAPORE

Penncolor.com



CHECK OUT OUR OTHER ASTRAD PRODUCTS:

Astrad[™] **AUTO**

Pigment dispersions for
water & solvent-based coatings

Astrad[™] **IS**

Pigment dispersions for
solvent-based coatings

Astrad[™] **WB**

Pigment dispersion for
water-based coatings

Astrad[™] **SF**

Pigment dispersion for
highly transparent coatings