

BASIC DYES

Astra®













Papermaking is constantly evolving. Paper-machine grades change and manufacturing methods are continually being improved for speed, cost, efficiency and performance. Practices considered experimental yesterday are standard operating procedure today. The only certainty in today's marketplace is that it is changing - continuously.

To maintain a competitive advantage in this environment, a papermaker must react quickly to the latest challenges, whether they come from the competition or from the most recent environmental regulations. ChromaScape understands this and is ready to help you respond to these challenges. We innovate together with our customers; after all, we are brighter and better together.



Astra Basic Dyes

Astra basic dyes are cationic in nature and among the most widely used colorants for paper and board produced with lignin containing fiber including unbleached or semi-bleached groundwood, thermomechanical and recycled liner pulps. These dyes also find extensive use in more specialized paper grades with bleached sulfite or bleached Kraft pulp such as brilliant high-chroma and fluorescent printing, writing and decorative tissue paper. These products may be applied in the wet-end or size-press. Coating application is limited due to the low pH and cationic characteristics of these colorants. Astra basic dyes are an excellent value for the papermaker due to their high color strength and cost effectiveness.

ChromaScape offers a wide range of Astra basic dyes in concentrated easy-to-handle liquid form, in either drums or IBCs. These liquids can be used directly as received or diluted for batch addition and/or continuous coloring. To maintain solubility, dilute solutions of basic dyes should be prepared by addition into acidified dilution water. Effective organic acids for this purpose include acetic and lactic acid.

%	Description	Shade	Lightfastness (Xenon)	Bleedfastness (1 - 5)	Fiber Affinity (1 - 5)	Bleachability (1 - 5)	Density (g/m ³)	pH	Viscosity (cps)	BfR
0.56	Astra Yellow 4GN		1	5	4	4	1.07-1.13	1.0-3.0	≤ 100	Y
1.00	Astra Yellow HU*		1	5	4	4	1.07-1.13	1.0-2.5	≤ 100	Y
0.56	Astra Yellow NX*		1	5	4	4	1.07-1.13	1.0-2.5	≤ 100	Y
0.50	Astra Yellow GRB*		1	5	4	4	1.07-1.13	1.0-3.0	≤ 100	Y
1.00	Astra Orange G		1	5	4-5	2	1.09 -1.15	2.5-4.0	≤ 100	Y
1.00	Astra Orange RX*		1	5	4-5	2-3	1.07-1.15	2.0-4.0	≤ 100	Y
4.00	Astra Brown Y		1	5	4	3	1.06-1.12	3.0-4.0	≤ 100	Y
1.30	Astra Red 4G		1-2	5	3	5	1.10-1.20	2.0-4.0	≤ 100	Y
1.30	Astra Phloxine G		1-2	5	4-5	2	1.03-1.20	2.5-4.5	≤ 100	Y
0.50	Astra Violet 10RX*		1	5	4-5	3	1.05-1.15	3.0-4.0	≤ 100	Y
0.50	Astra Violet 3RX*		1	5	4-5	3-4	1.05-1.20	2.0-4.5	≤ 100	Y
0.45	Astra Blue RL		1	5	5	4	1.07-1.15	2.0-4.0	≤ 200	Y

*Custom Blend

%	Description	Shade	Lightfastness (Xenon)	Bleedfastness (1 - 5)	Fiber Affinity (1 - 5)	Bleachability (1 - 5)	Density (g/m ³)	pH	Viscosity (cps)	BfR
0.94	Astra Blue 2BL		1	5	5	4	1.07-1.14	1,5-3,5	≤ 200	Y
1.00	Astra Green SL		1	5	4	5	1.06-1.15	1,5-3,5	≤ 100	N

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