

PanTINT[®] 5 Series

Chip Dispersions for Radiation Cured and Powder Coatings

Solvent-free colorants designed for use in powder coatings and UV and EB cured applications. They are based on a proprietary dispersing vehicle which provides exceptional compatibility, light fastness and heat resistance. Available in a wide range of colors for most tinting and masstone applications, our unique manufacturing process insures that the pigments have been dispersed to an exceptionally fine particle size for optimum color strength and transparency. These dispersions are granulated for ease of handling and incorporation with minimal dusting, remain stable under normal ambient conditions and will not sinter or deteriorate with aging.

Recommended Use

Radiation Cured Coatings: The resin is soluble in most acrylate monomers and oligomers for easy use in UV and EB cured coatings. The colorants can be cut into a reactive monomer to make a concentrated liquid colorant, or directly into the finished coating with moderate agitation. Care should be taken when mixing into monomer to prevent temperature increase that may shorten the shelf life of the liquid colorant or finished coating.

Powder Coatings: Dispersions can be metered into the extruder in the same manner as simple pigments. Chip size is controlled for ease of incorporation with minimal dusting. Pigment particle size is much finer than can be achieved in a normal extruder dispersion process providing superior transparency, greater color strength and higher gloss in thin film applications.

Typical Values

| STANDARD PRODUCT DESCRIPTION | | | COMPOSITION % BY WEIGHT | | COMPOSITION % BY VOLUME | | DENSITY | |
|------------------------------|------------------------------------|---------|----------------------------|---------|----------------------------|---------|---------|---------|
| Code | Pigment | CI Name | Pigment | Vehicle | Pigment | Vehicle | lb/gal | Sp. Gr. |
| 5B1234 | Phthalo Blue RS | B15:2 | 55 | 45 | 42 | 58 | 11.55 | 1.38 |
| 5B1236 | Phthalo Blue GS | B15:3 | 55 | 45 | 45.8 | 54.2 | 10.77 | 1.29 |
| 5G1735 | Phthalo Green | Gr7 | 55 | 45 | 46.6 | 53.4 | 10.61 | 1.27 |
| 5K1332 | Tinting Black | BK7 | 60 | 40 | 47.4 | 52.6 | 11.86 | 1.42 |
| 5K1333 | Masstone Black | BK7 | 60 | 40 | 46.4 | 53.6 | 11.61 | 1.36 |
| 5Q1954 | DNA Orange | OR5 | 55 | 45 | 43.3 | 56.7 | 11.43 | 1.37 |
| 5R1602 | Transparent Red Oxide | R101 | 60 | 40 | 26.3 | 73.7 | 16.42 | 1.97 |
| 5R1650 | Red Oxide Medium | R101 | 70 | 30 | 36.1 | 63.9 | 19.34 | 2.32 |
| 5R1631 | Red Oxide Light | R101 | 70 | 30 | 33.8 | 66.2 | 20.13 | 2.41 |
| 5R1629 | Naphthol Red BS | R170 | 55 | 45 | 52.4 | 47.6 | 9.62 | 1.15 |
| 5R1630 | Lithol Rubine | R57:1 | 55 | 45 | 44.6 | 55.4 | 11 | 1.32 |
| 5R1640 | Naphthol Red YS | R176 | 55 | 45 | 48.6 | 51.4 | 10.17 | 1.22 |
| 5W1108 | Titanium Dioxide - Chalk Resistant | WH6 | 65 | 35 | 33.9 | 66.1 | 17.17 | 2.06 |
| 5Y1435 | Monoazo Yellow GS | Y97 | 55 | 45 | 48.7 | 51.3 | 10.34 | 1.24 |
| 5Y1478 | Transparent Yellow Oxide | Y42 | 60 | 40 | 29.7 | 70.3 | 15.67 | 1.88 |
| 5Y1413 | Isoindoline Yellow | Y139 | 55 | 45 | 44.5 | 55.5 | 10.94 | 1.31 |
| 5Y1442 | Yellow Oxide | Y42 | 70 | 30 | 37.9 | 62.1 | 18.75 | 2.25 |
| 5Y1464 | AAOT Yellow | Y14 | 55 | 45 | 48.7 | 51.3 | 10.32 | 1.24 |
| 5Y1428 | Diarylide Yellow RS | Y83 | 55 | 45 | 49.1 | 50.9 | 10.16 | 1.22 |

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201.438.7878

www.PanTechnology.com

117 Moonachie Avenue, Carlstadt, New Jersey 07072