

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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