DayGlo

4515 St. Clair Ave. Cleveland, OH 44103
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Technical Data Sheet

HT (HIGH-TINT) DISPERSIONS

General Description

HT (High-Tint) Color Dispersions are recommended for in-plant tinting of solvent based industrial and trade sales coatings. These high strength dispersions incorporate high quality pigments dispersed in a unique alkyd vehicle. Each HT Dispersion is formulated at the highest practical pigment concentration to yield excellent tinctorial strength. Minimum amounts of dispersion must be added to achieve in-plant batch color. Each colorant has been formulated for maximum pigment color value while maintaining a wide range of compatibility and dispersion characteristics such as non-settling, pourability, flocculation resistance and shelf-life stability.

Available Colors	
Code	**Color**
HT-359	DNA Orange
HT-4315-2	Toluidine Red
HT-4754	Naphthol Red
HT-4760	Carbazole Violet
HT-4787	Red Oxide Light
HT-4788	Carbon Black
HT-4789	Phthalo Blue RS
HT-4790	Phthalo Green
HT-4791	Permanent Yellow
HT-4792	Quinacridone Violet
HT-4793	Quinacridone Red
HT-4794	White
HT-4796	Organic Yellow
HT-4827	Scarlet Red
HT-4847	Yellow Oxide
HT-4925	Permanent Orange
HT-5233	Trans Yellow Oxide
HT-5234	Trans Red Oxide
HT-5256	Jet Black
HT-633	Phthalo Blue GS

The color selection in the HT line was carefully planned to enable the user to produce a broad line of colors, minimizing inventory requirements. Using HT Dispersions for in-plant tinting can save processing time and money by increasing paint output. Each product is closely controlled to meet established quality control specifications, providing consistent viscosity and color strength for reliable in-plant tinting results.

Code	Pigment CI Number	Lbs/Gal	% Pigment	% Vehicle	% Volatile	Lightfastness		*Coating VOC g/lt
						Mass	Tint	
HT-359	DNA Orange	9.1	43.7	25.5	30.8	G	F	410
HT-4315-2	Toluidine Red	8.7	30.0	38.0	32.0	G	F	312
HT-4754	Naphthol Red	8.3	34.0	29.2	36.8	E	E	368
HT-4760	Carbazole Violet	7.75	23.0	24.2	52.8	VG	G	505
HT-4787	Red Oxide Light	15.2	63.0	18.1	18.9	E	E	348
HT-4788	Carbon Black	8.9	30.0	45.7	24.3	E	E	262
HT-4789	Phthalo Blue RS	8.3	22.0	49.9	28.1	E	E	286
HT-4790	Phthalo Green	9.0	35.0	31.3	33.7	E	E	382
HT-4791	Permanent Yellow	8.4	33.0	35.5	31.5	E	E	320
HT-4792	Quinacridone Violet	8.2	21.0	55.9	23.1	E	E	235
HT-4793	Quinacridone Red	8.1	17.0	54.3	28.7	E	E	286
HT-4794	White	16.2	65.0	24.8	10.2	E	E	189
HT-4796	Organic Yellow	7.8	20.0	31.2	48.8	G	G	465
HT-4827	Scarlet Red	8.3	34.0	30.5	35.5	E	E	362
HT-4847	Yellow Oxide	13.8	56.5	20.9	22.6	E	E	358
HT-4925	Permanent Orange	8.3	34.0	27.4	38.6	E	E	390
HT-5233	Trans Yellow Oxide	8.9	22.0	51.5	26.5	E	E	289
HT-5234	Trans Red Oxide	9.0	19.8	49.4	30.8	E	E	343
HT-5256	Jet Black	8.4	23.0	41.9	35.1	E	E	357
HT-633	Phthalo Blue GS	8.3	29.9	28.4	41.7	E	E	423

* Material and Coating V.O.C. have identical values

E – Excellent, VG – Very Good, G – Good, F – Fair, P – Poor

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Physical Properties	
Tinting Strength	+/- 5% On a Weight Basis
Grind Hegman Gauge	6 Minimum

Compatibility

HT Dispersions offer the advantage of broad compatibility in a wide range of solvent borne coatings such as: Alkyds, Modified Alkyds, Epoxies, Epoxy Esters, Polyesters, Polyurethanes, Oil Modified Urethanes, Vinyls, and other solvent based coating systems.

HT Dispersions have been used in some unique applications where color is required. These applications include adhesive products and high temperature proprietary coatings. Products should be tested by a qualified technician in the specific application prior to full scale use.

Quality Assurance

DayGlo takes great care in the selection and screening of raw materials. All pigments, vehicles and other ingredients used in the manufacture of our dispersions meet stringent performance specifications.

Custom Colors

When specialized applications require specific pigments or color requirements, DayGlo welcomes your inquiry. Custom colors based on HT know-how is supported through our technical and manufacturing groups. Our custom products are produced and controlled to the quality standards you specify.

Lightfastness

There are limitations on lightfastness and weathering properties inherent in certain pigments. These weatherability factors cannot be accurately predicted. The final properties of the finished coatings in which our HI-TINT Dispersions are used is dependent on our customers' vehicle system. We recommend that the lightfastness and weathering properties be tested under customers' performance standards.

Processing	
Heat stability	In PVC calendering: 30 minutes @ 170°C
Solvent resistance	Recommended use in water, aliphatic- and aromatic hydro carbons, alcohols, esters, glycols, plasticizers.
Pigments are insoluble and need to be dispersed (easily stir-in).	

(1)Test methods and Certificate of Analysis (COA) available on request.

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