Pigmasol M® Series

Pigmasol MHF® Series

Pigmasol M-GOTS® Series

Quality Pigments
for textile applications

M.N. Chemical Industries (Pvt) Ltd.

Manufacturers of Pigments, Chemicals & Textile Auxiliaries

Pigmasol M®

Flat-beg printing on mercerised cotton, full strength and reduction 1:4 (1:19 reduction for Black). The fastness properties were tested on prints of 1/1 S. D. and 1/12 S. D. on Ctooon (Heat stability on PES / CO.)

			Pigmasol Yellow M3G	Pigmasol Yellow M2G	Pigmasol Yellow MGS	Pigmasol Yellow MR	Pigmasol Yellow MRP	Pigmasol Orange MY	Pigmasol Orange MG	Pigmasol Red MGC-X	Pigmasol Red MBRC	Pigmasol Red M-PVC	Pigmasol Pink M5BX	Pigmasol Pink M5BL	Pigmasol Violet MB	Pigmasol Violet MBN	Pigmasol Violet MB-R	Pigmasol Blue MBX
Pigment Concentration g/kg			20	20	20	20	20	20	20	30	20	20	30	20	10	10	10	20
Light fastness (Xenon arc) ISO 105-B02		1/1	7-8	7	3-4	6	8	5	6-7	8	6	7B	5	8	8	8	8	8
		1/12	3-4	2-3	2	3-4	4	3	2-3	4	4-5	5	3	8	7	7	7	7Y
Weather (artifical) ISO 105-B04	150 h	1/1	7-8	6	3	5	7	3-4	5	6-7	5	5-6B	4-5	7-8	7	7	7	8
		1/12	3	1	2	3-4	4	3	2-3	4-5	4-5	4B	3	7	6	6	6	7
	300 h	1/1	7	3	2-3	4	6	2-3	4-5	6	4	4-5B	3	7Y	7	7	7	7Y
		1/12	2	1	1	3	3-4	1-2	2-3	3-4	3	2	2	7Y	6	6	6	6-7Y
Dry Cleaning (Perchlorothylene) ISO 105-D01	C	1/1	5	4-5	2-3	4	4-5	3	3-4	4-5	4	5	4	5	5	5	5	4
	SO	1/1	3	2	3	3-4	4-5	2-3	2	4	3-4	4-5	3-4	5	4-5	4-5	4-5	3-4
	C	1/12	3-4	2-3	-	3-4	4-5	2	2	4	3-4	4	3	5	4-5	4-5	4-5	3
	SO	1/12	4-5	3	4	4	5	3-4	3	5	4-5	5	4	5	5	5	5	4-5
Hypochlorite Bleach (severe) ISO 105-N01	C	1/1	5	5	5	5	5	5	5	5	5	5	5	2-3	5	5	5	5Y
	C	1/12	5	5	5	5	5	5	5	5	5	5	5	2	4	4	4	5Y
Dry heat fixation (30 s 180 °C) ISO 105-P01	C	1/1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	PES	1/1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	CO	1/1	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	C	1/12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	PES	1/12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	CO	1/12	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
Heat stability PES / CO	3 min 170 °C	1/1	•	•	•	•	•	•	○	•	•	•	•	•	•	•	•	•
	1 min 200 °C	1/1	•	•	•	•	•	•	○	•	•	•	•	•	•	•	•	•
	3 min 170 °C	1/12	•	•	○	•	•	•	•	–	○	○	○	○	•	•	•	○
	1 min 200 °C	1/12	•	•	○	○	○	○	•	–	○	○	○	○	•	•	•	○

Pigmasol M®

Pigment Concentration g/kg

Flat-beg printing on mercerised cotton, full strength and reduction 1:4 (1:19 reduction for Black). The fastness properties were tested on prints of 1/1 S. D. and 1/12 S. D. on Ctooon (Heat stability on PES / CO.)

			Pigmasol Blue MKB	Pigmasol T. B;ue MG	Pigmasol Green MG	Pigmasol Green MGN	Pigmasol Black MRT	Pigmasol Black M-40	Pigmasol White MB		Pigmasol Yellow MHF-G	Pigmasol Yellow MHFR	Pigmasol Red MHF-S	Pigmasol Blue MHF-R	Pigmasol Blue MHF-T	Pigmasol MHF® "High-Fast"	
			20	20	20	20	30	30	20		20	30	30	20	30		
																Flat-beg printing on mercerised cotton, full strength and reduction 1:4 (1:19 reduction for Black). The fastness properties were tested on prints of 2, 1. And 0.5g/kg on PES/CO.	
Light fastness (Xenon arc) ISO 105-B02		1/1	8	8	8	8	8	8			8	8	7-8	7-8	8	2g/kg	Light fastness
		1/12	7Y	7	7-8	7-8	8	8			8	8	7-8	7-8	7-8	1g/kg	(Xenon arc)
Weather (artifical) ISO 105-B04	150 h	1/1	8	7-8	8	8	8	8			8	8	7-8	7-8	7-8	0.5g/kg	ISO 105-B02
		1/12	7	7-8	7	7	7	7			8	7-8	7-8	7-8	7	2g/kg	Weather (Artificial)
	300 h	1/1	7Y	7-8	7-8	7-8	8	8			8	7-8	7-8	7-8	6-7	1g/kg	ISO 105-B04
		1/12	6-7Y	7	7	7	7	7			8	7-8	7-8	7-8	6	0.5g/kg	500 h
Dry Cleaning (Perchlorothylene) ISO 105-D01	C	1/1	4	5	5	5	5	5			5	4-5	4-5	3	4	2g/kg	Light fastness at high
	SO	1/1	3-4	4	5	5	4-5	4-5			5	4-5	4-5	3	4	1g/kg	temperature (CO)
	C	1/12	3	4-5	5	5	5	5			5	4-5	4-5	3	3-4	0.5g/kg	ISO 105-B06 (3 cycles)
	SO	1/12	4-5	5	5	5	4-5	4-5			4	4	4-5	3	4-5	2g/kg	Light fastness at high
Hypochlorite Bleach (severe) ISO 105-N01	C	1/1	5Y	5	5	5	5	5			4	4	4-5	3	4-5	1g/kg	temperature (PES)
	C	1/12	5Y	5	5	5	5	5			4	4	4	3	4-5	0.5g/kg	SAE J 1885;488Kj
Dry heat fixation (30 s 180 °C) ISO 105-P01	C	1/1	5	5	5	5	5	5			5	4	4-5	4-5Y	5	2g/kg C	Dry cleaning
	PES	1/1	5	5	5	5	5	5			5	4	4-5	4Y	5	1g/kg C	ISO 105-D01
	CO	1/1	5	5	5	5	5	5			5	4	4-5	4Y	4-5	0.5g/kg C	(Perchloroethylene)
	C	1/12	5	5	5	5	5	5			5	5	4-5	5	4-5	2g/kg C	30 s 180 °C
	PES	1/12	5	5	5	5	5	5			5	5	4-5	5	4-5	1g/kg C	Dry heat fixation
	CO	1/12	5	5	5	5	5	5			5	4-5	4	5	4	0.5g/kg C	
Heat stability PES / CO	3 min 170 °C	1/1	•	•	•	•	•	•			4-5	4-5	4-5	3-4	4-5	2g/kg C	ISO 105-P01
	1 min 200 °C	1/1	•	•	•	•	•	•			4-5	4-5	4	3	3-4Y	1g/kg C	30 s 210 °C
	3 min 170 °C	1/12	○	○	•	•	•	•			4-5	3-4	3	3	3Y	0.5g/kg C	
	1 min 200 °C	1/12	○	○	•	•	○	○			•	•	•	•	•		Heat Stability

Y = yellower B = Bluer R = Redder D = Duller

Introduction:

Our parent company was found in 1979 by our Chairman Mr. Muhammad Muazzam, who had srved a multi-national company, ICI for 27 years. Persently we constitute a team of highly professional personnel specialized in analytical, polymer and bio-chemistry from Germany and America, involved in production and quality maintenance at our plants. They are also involved in research and development of new technologies for allied industries. We also engage a team of marketing specialists qualified in plastics, inks, coatings, & textiles processing procedures. Main aim of our highly technical staff is to offer solutions to problems encountered on daily basis by plastics, inks, coatings and textiles processing industries.

We believe in supplying our customers the best quality products with high consistency levels for this purpose we have equipped our production lab with Gas Chromatograph (Agilent USA) HPLC (SHIMADZU Japan). Our Chemists continuously analyze production process on these equipments to make sure that all reactions are proceeding smoothly, producing end product of highest possible quality.

Our quality assurance lab is equipped with IR Spectrophotometer, Data Color Matching System and complete range of plastic, ink, coating and textile testing equipments.

Major Achievements

- Shalimar Dyes & Chemical Private industries founded in 1979.
- M.N. Chemical started production of organic pigments in 1993 with a capacity of 3000 metrical ton per annum
- In 2001: investment was made in production of phthalocyanine pigments with a capacity of 1500 metric tons per annum
- In 2004: started producing synthetic thickener with a capacity of 2000 metric tons per annum. Aslo started to produce auxiliaries with an annual capacity of 5000 metric tons.
- In 2005: started production of fluorescent brighteners for textile and paper industries with a capacity of 1000 tons per annum.
- In 2009: installed the first ever ultraviolet light stabilizer plant for polyolefin's and all grades of plastics, producing products like HALS, benzophenones etc with annual capacity of 3000 metric tons.
- 2011: Working was started for the production of pigments for plastic and printing inks.

We promise to serve you to the best of our capabilities.