



Mfg. & Exporters of Textile Printing Thickeners



Ø ZDHC



info@vimal.ind.in



www.vimal.ind.in



ABOUT US

Vimal Industries started its journey in the year 2004 at Dadra & Nagar Haveli, Silvassa (Union Territory of India). We have a well-established infrastructure sprawling over a large area. We have factory equipped with all the latest machines and technology. Owing to our strong infrastructure, we are capable to meet bulk order requirements and that too on the said time. We use good quality raw materials for making our wide variety of products. We are known for the good quality & service which we provide to our customers.

OUR PRODUCTS

- CARBOXYMETHYL TAMARIND THICKENER
- FULL RANGE OF DISPERSE DYES & ITS INTERMEDIATES
- 'ME' SERIES & ACETATE DISPERSE DYES FULL SERIES
- LIQUID REACTIVE PRINTING THICKNER
- TEXTILE AUXILIARIES
- TAMARIND KERNEL POWDER
- GUAR GUM DERIVATIVES
- SODIUM ALGINATE
- DEHUSKED TAMARIND SEED
- TAMARIND SEED HUSK

CARBOXYMETHYL TAMARIND THICKENER



We manufacture Carboxymethyl Tamarind Thickener (Textile Printing Thickener) which is used for printing polyester and its blended Fabrics. It is one of the most economical printing thickener with very good washing property & is compatible with disperse dyes. This is one of the most preferred modified thickeners for printing as it offers high leveled prints with sharp designs patterns with good filterability without affecting the colour value of dyes & also chocking free Screens.

Properties

| | |
|----------------------|--|
| Constitution | Carboxy Methyl Tamarind |
| Appearance | Yellowish Powder |
| Paste Appearance | Yellowish |
| Ionic Characteristic | Anionic |
| Solubility | Cold Water Soluble |
| Preservation | Preservative added to avoid fungus and decomposition of paste and powder |
| Packing | 25 kgs HDPE laminated paper bags with PE Lining. |

Specification

| | |
|----------------------------------|---|
| Stock Paste Percent | 8 kg. Powder – 92 kg. Water |
| pH | 9-11 |
| Moisture | 10% Max |
| Ash Content | 20% Max |
| Hydration Time | 3-4 hours after 30 min. of high speed stirring. |
| Stability | 5-7 days under normal conditions. |
| Printing Viscosity Index (PVI) | >=0.45 |
| Filtrations | 100% Through 53 Microns |
| Degree of Substitutions (DS) | 0.16 |
| Insoluble Residue Material (IRM) | <=0.05 |

Viscosity Parameters

| PRODUCTS | % SOLUTION | VISCOSITY |
|----------------------------|------------|-------------------------|
| VITEX – 318 | 8% | 42,000 CPS – 45,000 CPS |
| VITEX – 430 / VITEX – 430S | 8% | 38,000 CPS – 42,000 CPS |
| VITEX – 812 / VITEX – 812S | 8% | 42,000 CPS – 45,000 CPS |
| VITEX – 407 | 8% | 40,000 CPS – 45,000 CPS |

Viscosity Parameters

| PRODUCTS | % SOLUTION | VISCOSITY |
|----------------------------|---------------------|------------------------------|
| VITEX – 305 / VITEX – 305S | 8% | 38,000 CPS – 42,000 CPS |
| VITEX – 311 | 8% | 40,000 CPS – 45,000 CPS |
| VITEX – 60T | 8% | 55,000 CPS – 60,000 CPS |
| VITEX – 817 | 8% | 40,000 CPS – 45,000 CPS |
| VITEX – 310 | 10% | 40,000 CPS – 45,000 CPS |
| VITEX – 200 | 15% | 20,000 CPS – 22,000 CPS |
| VITEX – XXX | 8% / 9% / 10% / 15% | As Per Customer Requirements |

** Viscosity less than 50,000 CPS are measured with Spindle No. 6, 20 RPM by Brookfield Viscometer RVT Model at 25°C.

*** Viscosity above 50,000 CPS are measured with Spindle No. 7, 20 RPM by Brookfield Viscometer RVT Model at 25°C.

DISPERSE DYES

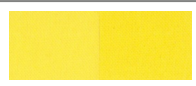

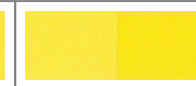

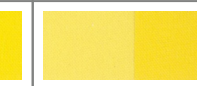
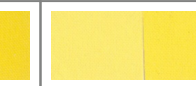
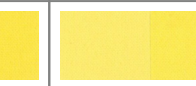
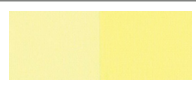
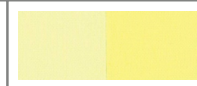

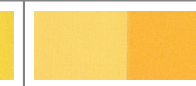
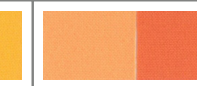
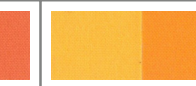
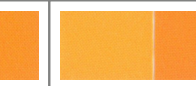
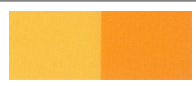
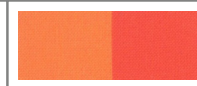
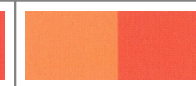
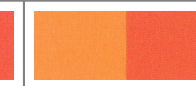
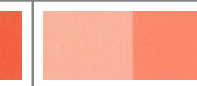
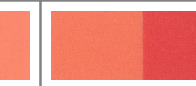
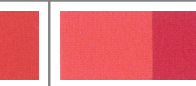
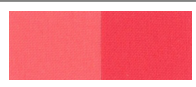
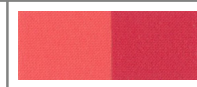
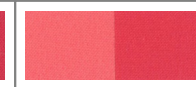
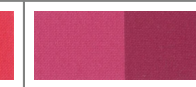
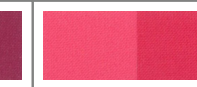
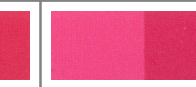
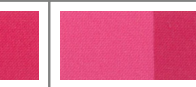
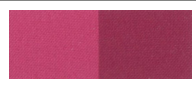
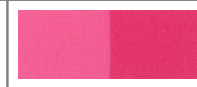




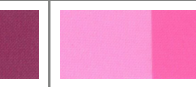


Our Dyes are exclusive range of Azo , Anthraquinone & Quinoline based Disperse Dyes, Suitable for colouration of polyester & its Blends Our catalogue illustrates shades , fastness properties & other characteristics of Disperse Dyes on polyester fabric.







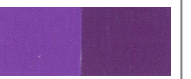















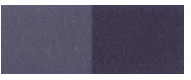

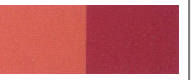
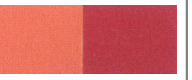
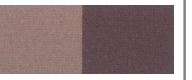




S Type (High energy Disperse Dyes): This Type is distinguished by Good sublimation Fastness , fairly good levelling and suitable for heavy shades.

SE Type (Medium energy Disperse Dyes): This type is Distinguished By Good Moderate sublimation Fastness and is Suitable for selective application on Polyester and its Blends.

E type (Low energy Disperse Dyes): This Type is noted with its Good levelling , Poor Sublimation and its suitable for medium Light shades.

| | | | | | | |
|--|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| 01 DISP. YELLOW – F7GL – 200% (C.I. NO. YELLOW – 119-200%) | 02 DISP. YELLOW – 7GL – 200% (C.I. NO. YELLOW – 126-200%) | 03 DISP. YELLOW – M7G – 200% (C.I. NO. YELLOW – 229-200%) | 04 DISP. YELLOW – 4GN – 230% (C.I. NO. YELLOW – 211-230%) | 05 DISP. YELLOW – C4G – 200% (C.I. NO. YELLOW – 79-200%) | 06 DISP. YELLOW – 5G – 200% (C.I. NO. YELLOW – 114-200%) | 07 DISP. YELLOW – 5GL – 200% (C.I. NO. YELLOW – 114.1 – 200%) |
|  |  |  |  |  |  |  |
| 08 DISP. YELLOW – 10GN – 400% (C.I. NO. YELLOW – 184.1 – 400%) | 09 DISP. YELLOW – 8GFF – 200% (C.I. NO. YELLOW – 82-200%) | 10 DISP. YELLOW – 3G – 200% (C.I. NO. YELLOW – 54-200%) | 11 DISP. YELLOW – RGFL – 200% (C.I. NO. YELLOW – 23-200%) | 12 DISP. YELLOW BROWN – 2RC/2RFL – 100% (C.I. NO. ORANGE – 30-100%) | 13 DISP. GOLDEN YELLOW – 2GDN – 200% (C.I. NO. YELLOW – 56.1-200%) | 14 DISP. GOLDEN YELLOW – 2R – 400% (C.I. NO. YELLOW – 56.1-200%) |
|  |  |  |  |  |  |  |
| 15 DISP. GOLDEN YELLOW – GG-200% (C.I. NO. YELLOW – 56 – 200%) | 16 DISP. ORANGE – RL – 200% (C.I. NO. ORANGE – 25 – 200%) | 17 DISP. ORANGE – 3R – 200% (C.I. NO. ORANGE – 44 – 200%) | 18 DISP. ORANGE – F4GL-200% (C.I. NO. ORANGE – 288 – 200%) | 19 DISP. FLOURESENT – ORANGE – FCR (C.I. NO. FLOURESENT ORANGE – F7G) | 20 DISP. SACRLET – RR – 100% (C.I. NO. RED – 54 – 100%) | 21 DISP. SCARLET – 3R – 200% (C.I. NO. RED – 50 – 200%) |
|  |  |  |  |  |  |  |
| 22 DISP. SCARLET – GS – 200% (C.I. NO. RED – 153 – 200%) | 23 DISP. SCARLET – 2G – 200% (C.I. NO. RED – 1 – 200%) | 24 DISP. SCARLET – BR – 100% (C.I. NO. RED – 74 – 100%) | 25 DISP. RED – MGF – 200% (C.I. NO. RED – 13 – 200%) | 26 DISP. RED – BS – 200% (C.I. NO. RED – 152 – 200%) | 27 DISP. RED – F3B5 – 400% (C.I. NO. RED – 343 – 400%) | 28 DISP. RED – F3BL – 400% (C.I. NO. RED – 343.1 – 400%) |
|  |  |  |  |  |  |  |
| 29 DISP. RUBINE – GFL – 200% (C.I. NO. RED – 73 – 200%) | 30 DISP. RED – FB – 200% (C.I. NO. RED – 60 – 200%) | 31 DISP. RED – G – 200% (C.I. NO. RED – 277 – 200%) | 32 DISP. RED – RGL – 200% (C.I. NO. RED – 202 – 200%) | 33 DISP. DARK RED – 2B – 100% (C.I. NO. RED – 167 – 100%) | 34 DISP. RUBINE – 3B – 200% (C.I. NO. VIOLET – 33 – 200%) | 35 DISP. PINK – RBSF – 200% (C.I. NO. RED – 362 – 200%) |




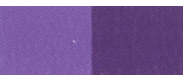
DISPERSE DYES

| | | | | | | |
|---|--|--|---|--|---|---|
|  |  |  |  |  |  |  |
| 36 DISP. PINK – SBN – 200% (C.I. NO. RED – 354 – 200%) | 37 DISP. PINK – REL – 200% (C.I. NO. RED – 91 – 200%) | 38 DISP PINK RL | 39 DISP. RED – 6B/BRILLIANT RED – 6B – 200% (C.I. NO. RED – 149 – 200%) | 40 DISP. RED - BEL – 100% (C.I. NO. RED – 92 – 100%) | 41 DISP. RED VIOLET - IFBL – 200% (H/C) (C.I. NO. VIOLET – 26 – 200%) | 42 DISP. VIOLET – 3R – 200% (C.I. NO. VIOLET – 63 – 200%) |
|  |  |  |  |  |  |  |
| 43 DISP. VIOLET – 5R/RUBINE – 5B – 200% (C.I. NO. VIOLET – 5 – 200%) | 44 DISP VIOLET CB | 45 DISP. NAVY BLUE – 3G – 200% (C.I. NO. BLUE – 79 – 200%) | 46 DISP. BLUE – SE2RI/2RC – 200% (C.I. NO. BLUE – 183 – 200%) | 47 DISP. BLUE – MGB – 200% (C.I. NO. BLUE – 291 – 200%) | 48 DISP. BLUE – BGF – 200% (C.I. NO. BLUE – 22 – 200%) | 49 DISP. BLUE – 2RX – 100% (C.I. NO. BLUE – 56 – 100%) |
|  |  |  |  |  |  |  |
| 50 DISP. BLUE – SR – 200% (C.I. NO. BLUE – 354 – 200%) | 51 DISP. BLUE – DBR – 200% (C.I. NO. BLUE – 366 – 200%) | 52 DISP. BLUE – GSL – 400% (C.I. NO. BLUE – 165 – 400%) | 53 DISP. CYANINE BLUE (BLUE – CB) – 200% (C.I. NO. BLUE – 148 – 200%) | 54 DISP. BLUE – BG – 200% (C.I. NO. BLUE – 60 – 200%) | 55 DISP. BLUE – BSRL – 200% | 56 DISP. NAVY BLUE – EXNSF – 300% |
|  |  |  |  |  |  |  |
| 57 DISP. BLUE – 4R – 200% (C.I. NO. VIOLET – 93 – 200%) | 58 DISP. BLACK – EXNSF – 300% / BLACK CCR | 59 DISP. BLACK – R - CONS - 400% / BLACK R PLUS | 60 DISP. BROWN – 3RD / 3REL - 200% (C.I. NO. DISP. BROWN – 1 – 200%) | 61 DISP. BROWN – 3RSF – 200% (C.I. NO. RED – 118 – 200%) | 62 DISP. DARK BROWN – 3BS – 150% | 63 DISP. GREEN – 2B – 200% |
|  |  |  | | | | |
| 64 DISP. GREEN – 5G – 200% | 65 DISP. GREEN – F7GL - 200% (C.I. NO. GREEN – 9 – 200%) | 66 DISP MAGENTA CZR | | | | |

ACETATE DISPESRE

| | | | | | | |
|--|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| 01 A.DISP. YELLOW – G/ YELLOW – 2GB (C.I. NO. YELLOW – 3) | 02 A.DISP. ORANGE – GR / 2GB (C.I. NO. ORANGE – 3) | 03 A.DISP. SCARLET – 2G (C.I. NO. RED – 1) | 04 A.DISP. RED – GG/RED - 2GB (C.I. NO. RED – 17) | 05 A.DISP. RUBINE – GFL (C.I. NO. RED – 73) | 06 A.DISP. BLUE – BN / BLUE – FFR (C.I. NO. BLUE – 3) | 07 A.DISP. MAROON – 2R |
|  |  |  |  |  |  | |
| 08 A.DISP. MAGENTA MGF | 09 A.DISP. ROYAL BLUE (C.I. NO. BLUE - 7) | 10 A.DISP. VIOLET – 2RL (C.I. NO. VIOLET – 1) | 11 A.DISP. DARK BROWN – 3BS | 12 A.DISP. RED – X3B | 13 A.DISP. BLACK - BT | |

“ DISP ME SERIES” ARE AS UNDER

| | | | | | | |
|--|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| 01 DISP. ORANGE M2RL | 02 DISP. RED MBR | 03 DISP. RED MGF | 04 DISP. PINK MBF | 05 DISP. RUBINE M2B | 06 DISP. BROWN MRH | 07 DISP. BLUE MGB |
|  |  |  |  | | | |
| 08 DISP. BLUE M5R | 09 DISP. NAVY MGR | 10 DISP. SKY BLUE MGF | 11 DISP. BLACK EMRD | | | |

LIQUID REACTIVE PRINTING THICKENER



New Generation hybrid thickener for reactive printing (VI-Print)

- VI-Print is thickeners for reactive printing.
- It's a mix of synthetic and natural thickener system.
- It is Premium Thickener for natural and synthetic fabrics.
- It Gives excellent hand feel, smooth run ability.

Features

- Sharp printing quality with good color yield
- Better brilliancy
- Desirable backside penetration.
- Excellent hand feel
- Reasonable paste stability
- After washing the system has less tinting
- Printable viscosity at 3.5 - 4.5%
- Good viscosity retention on addition of dyestuffs

Physical Properties

| Parameters | VI-Print HTC | VI-Print HTV | VI-Print HTRC | VI-Print HTRV |
|--------------------------|-----------------|-----------------|-----------------|-----------------|
| Colour | Creamish Brown | Light Brown | Creamish White | Creamish White |
| pH (Self) | 6 - 8 | 6 - 8 | 6 - 8 | 6 - 8 |
| Stock Paste viscosity 4% | 40000-45000 CPS | 40000-45000 CPS | 36000-40000 CPS | 36000-40000 CPS |

Recipe for making the paste before dye addition

| S. No. | Ingredient | Quantity (%) |
|--------|---------------------------|----------------------|
| 1 | Vi-print | 3.5-4.0 |
| 2 | Sodium hexa-metaphosphate | 0.5 |
| 3 | Sodium Bicarbonate | 3.5-4.5 |
| 4 | Resist Salt | 1.0-2.0 |
| 5 | Urea | 10-3 |
| 6 | Water | 60-80 (balance qty.) |
| | Total | 100 |

Procedure for preparing 4 % HTRV paste

- Take 70 kg of DM water in a vessel and add sodium hexametaphosphate under high speed stirring,
- Add the remaining additives in the following sequence:
 - Resist salt
 - Sodium bicarbonate
 - Urea
- Mix it for 5 min.
- Slowly add VI-Print and mix for 20 minutes.
- Add make up water to make 100 kg paste
- Add the dye as per shade

Viscosity parameters for machines

Viscosity parameters for Rotary Machines:

- Before Dye Addition : 12000 - 15000 CPS at 30°C
- After Dye Addition : 8000 - 9000 CPS at 30°C

(Paste of higher viscosity will be required for flat-bed printing.)

Recommended Viscosity for Flat Bed:

- Before Dye Addition : 20000 - 25000 CPS at 30°C
- After Dye Addition : 12000 - 15000 CPS at 30°C

Note: Brook field viscometer Model No. RVT, Spindle No.4, RPM 10.

Conclusion

| PRODUCTS | |
|---------------|---|
| VI-Print HTC | Premium Hybrid thickener for cotton |
| VI-Print HTV | Premium hybrid thickener for viscose |
| VI-Print HTRC | Economical Hybrid thickener for cotton |
| VI-Print HTRV | Economical Hybrid thickener for viscose and modal |

TEXTILE PRODUCT RANGE

FIBRE

- VI - FLOW

SIZING

- VI - SIZE

PRETREATMENT

- VI - TREAT
- VI - ZYME
- VI - GLOW

DYEING

- VI - DYE

FINISHING

- VI - SOFT
- VI - LUB

PRINTING

- VI - PRINT

WASTE WATER TREATMENT

- BIOENVIRO

DECLARATION OF CONFORMITY

We hereby declare that all the textile chemicals that are marketed by Vimal Industries under registered trade names mention below, can be used for textile wet processing and comply with the European standard.

VI - FLOW

VI - SIZE

VI - TREAT

VI - ZYME

VI - GLOW

VI - DYE

VI - SOFT

VI - LUB

VI - PRINT

BIOENVIRO

All products are APEO free, comply with the conditions of Oeko Tex Standard 100 & ZDHC Certified.



Ø ZDHC

Textile - Wet Processing Auxiliaries

| NO | TEXTILE – FIBRE | PRODUCT NAME | IONIC NATURE | DESCRIPTION |
|----|------------------|----------------|--------------|---------------------------|
| 1 | Conning Oil | VI - Flow 100 | Non-Ionic | Conning Oil for Polyester |
| 2 | Anti Dusting Oil | VI - Flow ADOR | Non-Ionic | Anti Dusting oil |

| NO | TEXTILE – SIZING | PRODUCT NAME | IONIC NATURE | DESCRIPTION |
|----|------------------|----------------|-------------------|--|
| 1 | Sizing Softner | VI - Size LCH | Non-Ionic | For Lubricity & Hairiness Control |
| | | VI - Size LTS | Anionic/Non-Ionic | For Lubricity & Hairiness Control |
| 2 | Sizing Binder | VI - Size EYE | Anionic/Non-Ionic | Speciality Product PVA Free Sizing |
| | | VI - Size 2345 | Anionic/Non-Ionic | Sizing Binder for 20/30/40/50/60/80/100 Cotton |
| | | VI - Size SBD | Anionic/Non-Ionic | Sizing Binder for Denim |
| | | VI - Size SBP | Anionic/Non-Ionic | Sizing Binder for Polyester |
| | | VI - Size SBN | Anionic/Non-Ionic | Sizing Binder for Nylon |
| | | VI - Size ARB | Anionic/Non-Ionic | PVA Replacement |
| 3 | Sizing Defoamer | VI - Size SDA | Anionic | Defoamer for Sizing |

| NO | TEXTILE – PRETREATMENT | PRODUCT NAME | IONIC NATURE | DESCRIPTION |
|----|--------------------------------|-------------------------------|-------------------|--|
| 1 | Mercerisation & Causticization | VI - Treat MWA | Anionic/Non-Ionic | Mercerising Wetting Agent |
| 2 | Wetting, Washing & Emulsifying | VI - Treat LFD | Non-Ionic | Low Foaming Washing & Wetting Agent |
| | | VI - Treat SR | Anionic/Non-Ionic | Stain Remover Cum Cleaning Agent |
| | | VI - Treat SCA | Anionic/Non-Ionic | Scouring Cum Soaping Agent |
| | | VI - Treat CBR | Non-Ionic | CBR wetting Agent |
| | | VI - Treat WT | Non-Ionic | Dose Base Wetting Agent |
| 3 | | Demineralizing & Sequestering | VI - Treat SA | Anionic |
| | VI - Treat DM | | Anionic | Demineralizing & Sequestering |
| | Peroxide Stabilizer | VI - Treat OPS | Anionic | H ₂ O ₂ Stabilizer |
| | Peroxide Killer | VI - Treat PK | Anionic | H ₂ O ₂ Killer |
| | | VI - Zyme EPK | Anionic | Enzymatic H ₂ O ₂ Killer |
| | Defoamer | VI - Treat SD | Non-Ionic | Silicone Base Defoamer |
| | Core Alkali Neutralizer | VI - Treat CN | Anionic | Core Alkali Neutralizer |
| | Enzymes | VI - Zyme ECD | Anionic | Cold Desizing Enzymes |
| | | VI - Zyme EHD | Anionic | Hot Desizing Enzymes |
| | | VI - Zyme EAC | Anionic | Acid Enzyme |
| | | VI - Zyme ENC | Anionic | Neutral Enzyme |
| | Optical Brightner | VI - Glow 2B | Anionic | Neutral Blue Tone |
| | | VI - Glow HAS | Anionic | Natural Sky Blue |
| | | VI - Glow COL | Anionic | Reddish Violet Tinted |
| | | VI - Glow PER | Non-Ionic | Bluer/Redder White |

TEXTILE AUXILIARIES

| | | | | |
|----|----------------------|------------------|------------|--|
| | | VI - Glow NFW | Anionic | Sky Blue |
| | | VI - Glow SI LIQ | Anionic | Blue Tone |
| | | VI - Glow MST | Anionic | Brilliant Blue Tone |
| | | VI - Glow 4BB | Anionic | Blue Tone |
| 10 | Anti-Creasing Agents | VI - Treat ACA | Anionic | Universal Crease Preventing agent |
| | | VI - Treat PLA | Anionic | Universal Crease Preventing agent |
| 11 | Machine Cleaning | VI - Treat MCS | Amphoteric | Machine Cleaning Detergent |
| | | VI - Treat MCL | Anionic | Activator for Machine Cleaning Detergent |
| 12 | Anti Back Staining | VI - Treat ABS | Anionic | Anti Back Staining for Indigo |
| 13 | Cationizer | VI - Treat PCX | Cationic | Pigment Cationizer |

| NO | TEXTILE – DYEING | PRODUCT NAME | IONIC NATURE | DESCRIPTION |
|----|----------------------------|------------------|-------------------|--|
| 1 | Dyebath Sequestering | VI - Dye DPE | Anioinc | Dye Bath Sequetering & Dispersing Agent |
| 2 | Levelling Agent | VI - Dye ER | Anioinc | Reactive Dyes Levelling Agent |
| | | VI - Dye DLA | Non-Ionic | Disperse Dyes Levelling Agent |
| | | VI - Dye RFT | Anioinc | Disperse Dyes Levelling Agent |
| | | VI - Dye CAR | Anioinc | Low Temperature Disperse Dyeing Carrier |
| | | VI - Dye CLX | Cationic | Levelling Agent for Cationic Dyeable polyester |
| | | VI - Dye CDL | Cationic | Retarding cum Levelling Agent for basic dyes |
| | | VI - Dye VLA | Non-Ionic | VAT Dyes Levelling Agent |
| | | VI - Dye NYL | Anioinc/Non-Ionic | Acid and Metal Complex Dyes Levelling Agent |
| 3 | Dispersing Agent | VI - Dye DIS | Anioinc | Dispersing Agent |
| | | VI - Dye DAN | Anioinc | Dispersing Agent |
| 4 | Levelling Cum Dispersing | VI - Dye DLOR | Anioinc/Non-Ionic | Disperse Dyes Dispersing and Levelling Agent |
| | | VI - Dye CPES | Anioinc/Non-Ionic | Disperse Dyes Dispersing and Levelling Agent |
| 5 | pH Buffer for Dyeing | VI - Dye AS | Anioinc | Acetic Acid replacement |
| | | VI - Dye PBD | Anioinc | pH Buffer With Dispersing Agent |
| 6 | pH Buffer for Heat Setting | VI - Dye CN | Anioinc | pH Buffer With Core Alkali |
| 7 | pH Buffer for Printing | VI - Dye ABD | Anioinc | pH Buffer with Core Alkali and Dispersing |
| 8 | Dye Fixer | VI - Dye PDF | Cationic | Reactive & Direct Dye Fixer |
| | | VI - Dye PAX | Cationic | Reactive Dye Fixer |
| | | VI - Dye ECO | Cationic | Reactive Dye Fixer |
| | | VI - Dye WEI | Cationic | Reactive Dye Fixer |
| | | VI - Dye PDE | Cationic | Reactive Dye Fixer |
| | | VI - Dye NYF | Anioinc | Acid and Metal Complex Dye Fixer |
| 9 | Washing-off | VI - Dye AM | Anioinc | Soaping Agent |
| | | VI - Dye HWA | Anioinc | Hard Water Stable Soaping Agent |
| | | VI - Dye D Paste | Anioinc | Soaping Agent |
| 10 | Reduction Clearance | VI - Dye RCH | Anioinc | Reduction Cleaning Agent |
| 11 | Alkali | VI - Dye ARD | Anioinc | Soda ash Replacement for reactive fixation |

TEXTILE AUXILIARIES



| NO | TEXTILE – FINISHING | PRODUCT NAME | IONIC NATURE | DESCRIPTION |
|----|---------------------|----------------------|--------------------|------------------------------|
| 1 | Cationic Softner | VI - Soft SS | Cationic | Cationic Softner |
| | | VI - Soft CWS Flakes | Cationic | Cationic Softner |
| | | VI - Soft HWS Flakes | Cationic | Cationic Softner |
| | | VI - Soft OC | Cationic | Cationic Softner |
| | | VI - Soft EQ-90 | Cationic | Cationic Softner |
| 2 | Non-Ionic | VI - Soft NWS | Non-Ionic | Polyethylene Wax Softner |
| | | VI - Soft PE | Non-Ionic | Polyethylene Wax Softner |
| 3 | Micro Silicone | VI - Soft BHS | Non-Ionic | Micro Amino Silicone Softner |
| | | VI - Soft MAGIK | Non-Ionic | Micro Amino Silicone Softner |
| 4 | Hydrophilic | VI - Soft HS | Non-Ionic | Hydrophilic Softner |
| 5 | Elastometric | VI - Soft EPS | Non-Ionic | Reactive Softner |
| 6 | Lubricant | VI - Lub FL | Non-Ionic | Yarn Lubricant |
| | | VI - Lub YL | Non-Ionic/Cationic | Yarn Lubricant |
| 7 | Macro Silicone | VI - Soft MS | Non-Ionic/Cationic | Macro Silicone Softner |
| 8 | Stiffener | VI - Soft AMH | Non-Ionic | Fabric Hardner |
| | | VI - Soft PVA | Non-Ionic | Fabric Hardner |
| | | VI - Soft PSL | Non-Ionic | Fabric Hardner |
| | | VI - Soft KVS | Non-Ionic | Fabric Hardner |
| 9 | Depth Enhancer | VI - Soft EDS | Non-Ionic/Cationic | Depth Enhancer |
| | | VI - Soft EDR | Non-Ionic/Cationic | Depth Enhancer |

| NO | TEXTILE – PRINTING | PRODUCT NAME | IONIC NATURE | DESCRIPTION |
|----|--------------------|-----------------|-------------------|--|
| 1 | Loop Accelerate | VI - Print LA | Anionic/Non-Ionic | Loop Accelerator for Polyester Printing |
| 2 | Buffer | VI - Print AB | Anionic | Alkali Buffer |
| 3 | Penetrating | VI - Print KBI | Anionic | Disperse Printing for Polyester Printing |
| 5 | Resist Salt | VI - Print RSP | Anionic | Resist Salt |
| 6 | Alkali Buffer | VI - Print ALB | Anionic | Alkali Buffer |
| 7 | Brasso | VI - Print BOP | Anionic | Brasso Liquid |
| 8 | Binder | VI - Print 9400 | Anionic | Acrylic Binder |
| | | VI - Print ASN | Anionic | Acrylic Binder |
| | | VI - Print HB | Anionic | Acrylic Binder |
| 9 | Fixer | VI - Print CCL | Non-Ionic | DMDHU -Fixer |

| NO | TEXTILE – WWT | PRODUCT NAME | IONIC NATURE | DESCRIPTION |
|----|--|----------------|--------------|---------------------------|
| 1 | Color & COD Remover Sludge Settling & Dewatering | Bioenviro CR | Cationic | Coagulating Agent |
| | | Bioenviro STLR | Anioinc | Floculating Agent |
| | | Bioenviro DW | Non-Ionic | Dewatering Agent |
| | | Bioenviro DCP | Cationic | Decanter Dewatering Agent |

MUMBAI (Maharashtra)
Office No. 01, 2nd Floor,
Om Heera Panna Mall,
Behind Oshiwara Police Station,
Jogeshwari (W), Mumbai 400 102
Tel.: +91 22 26327933
Mob: +91 9820201286
+91 9833137933

DADRA (Silvassa)
Unit No.1/104
Ankur Industrial Estate,
Off Demini Road,
Dadra (D&NH)-396193
Tel:-0260-2669724
0260-2669723
Mob: +91 9820437933

UMBERGAON (Gujarat)
Shed No. A-2/2703,
Opp Umbergaon Weigh Bridge,
Umbergaon Industrial Area,
GIDC Umbergaon,
Dist. Valsad-396171
Gujarat.
Mob: +91 9820437933



TAMARIND KERNEL POWDER



Tamarind Kernel Powder (TKP) is a powder obtained from grinding dehusked white tamarind seeds. Various grades of Tamarind Kernel Powder are supplied based on specific customer requirements depending upon concerned industrial applications. Tamarind Kernel Powder in textile industry is used for printing applications mainly in polyester fabric printing with disperse dyes. It is the main raw material for manufacturing Cold Water Carboxymethyl Kernel Powder.

Properties

| | |
|------------------|--|
| Constitution | Tamarind Kernel Powder |
| Appearance | Creamy Yellowish Powder |
| Paste Appearance | Creamy White |
| Solubility | Hot Water Soluble |
| Packing | 25 kgs HDPE laminated paper bags with PE Lining. |

Roasting

| | |
|-----------------|-----------------------|
| Loss on Drying | 99-100% Thru 300 Mesh |
| Oil | 6-7 |
| Loss on Sieving | 8% Max |
| Moisture | 3% Max |

Viscosity Parameters

| % SOLUTION | VISCOSITY | SPINDLE NO. |
|------------|-------------------------|-------------|
| 4% | 6,000 CPS – 7,000 CPS | 4 |
| 5% | 14,000 CPS – 16,000 CPS | 6 |
| 6% | 27,000 CPS – 32,000 CPS | 6 |
| 8% | Around 1,00,000 CPS | 7 |

** All solutions tested in hot boiling water, at 20 RPM by brookfield viscometer RVT Model at 25°C.



We manufacture Guar Gum Derivatives which give excellent film forming and thickening properties when used for textile sizing, finishing and printing. It reduces warp breakage, reduces dusting while sizing and gives better efficiency in production. It is used in Procion printing of Cotton, Rayon, Chiffon and their blends for use with Reactive Dyes.

Uses

- Procion printing of Cotton
- Rayon
- Chiffon and their blends for use with Reactive Dyes.

SODIUM ALGINATE



In Printing and Dyeing Industry, Sodium Alginate is used as additive for active dyestuff, which is superior to grain starch and other paste. Using Sodium Alginate as the printing paste would not affect the Reactive Dyes and Dyeing Process, at the same time it can get a brilliant and bright colours and good sharpness, with high colour yield and uniformity, and it is easy washing after printing. The most important, after using Sodium Alginate, the fabrics feel good and look good. It is not only suitable for cotton printing, but also for wool, silk, synthetic fibers (viscose) & bemberg printing.

Specification

| ITEM | STANDARD |
|---------------------------|--------------|
| Color | Light Brown |
| Moisture | $\leq 15\%$ |
| Insoluble Matter In Water | $\leq 0.5\%$ |
| Caluim Content | $\leq 0.3\%$ |
| pH | 6-8 |
| Bag | 25 KGS |

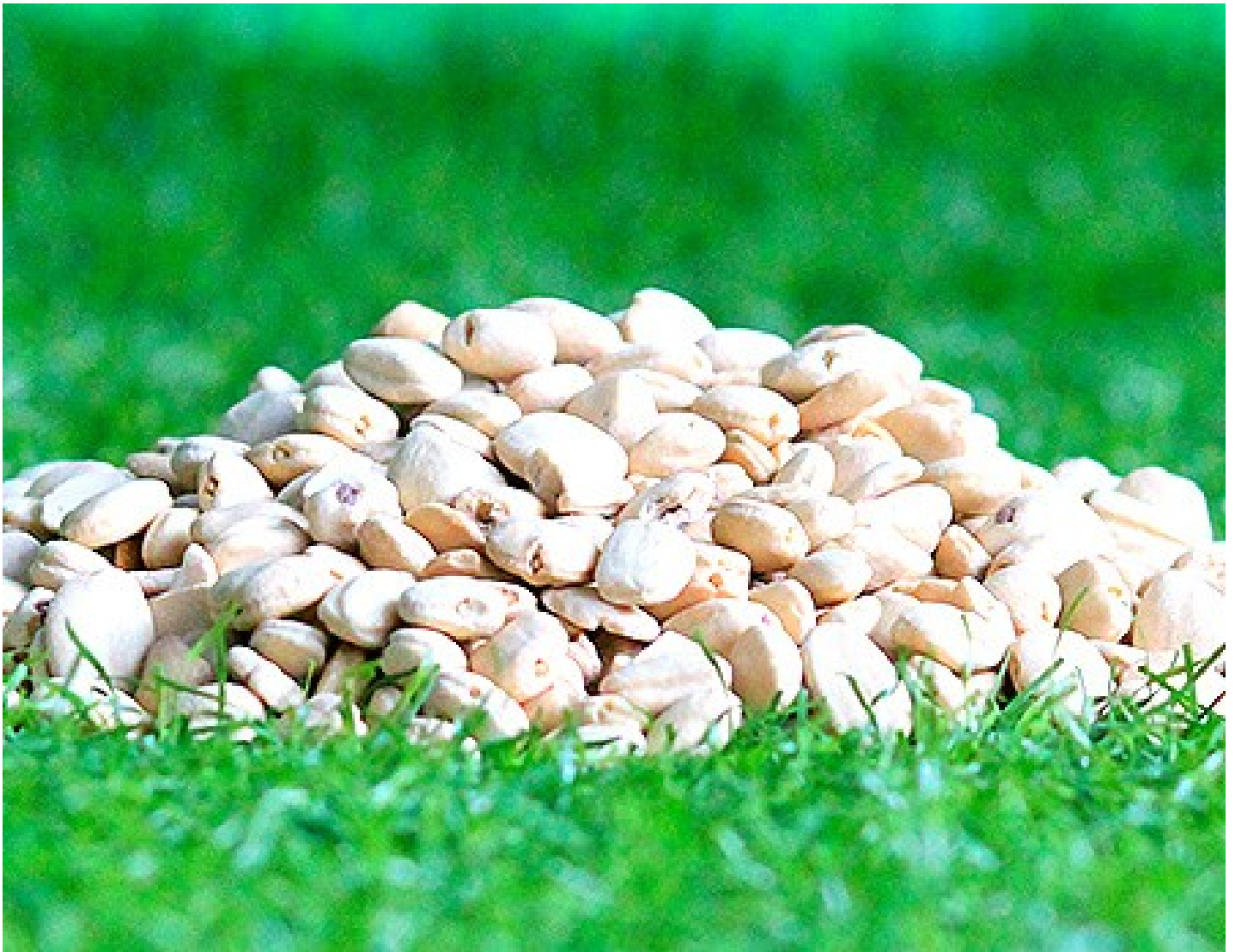
Viscosity can be Supplied as per customer requirements & their specification.

All solutions tested at 20 RPM by Brookfield Viscometer RVT Model.

AFTER SALES SERVICES

Our sales personnel's are familiar with reactive printing and a variety of printing auxiliaries, especially on the performance of sodium alginate. It is our endeavour to provide full support in case of any difficulties faces while using our products.

DEHUSKED TAMARIND SEED



Dehusked Tamarind Seed is a white kernel or endosperm of tamarind seed obtained from roasted seed after removing the dry outer shell. It is the raw material used in the manufacturing of tamarind seed powder. The main utilisation of the white kernel is for manufacturing quality Tamarind Seed Powder TKP & these kernels are also used as an ingredient in cattle feed.

Uses

- Manufacturing Tamarind Seed powder
- Ingredient in cattle feed

TAMARIND SEED HUSK



The Tamarind Seed Husk is a dry outer shell of tamarind seed obtained from roasted seed. It has a very high calorific value & is effectively used as biomass fuel in replacement to wood and other alternate biomass fuel. Considering its cost & availability it is a far advantageous product to any other commercially available burning material due to its lesser ash content. It is also used as a supplement in cattle feed.

Uses

- Biomass Fuel
- Supplement in cattle feed



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