VIMAL®
INDUSTRIES

Mfg. & Exporters of Textile Printing Thickeners

OEKO TEX® ECO PASSPORT

ISO 9001:2015 CERTIFIED

STAR EXPORT HOUSE RECOGNIZED BY GOVT OF INDIA

ZDHC

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VIMAL®
INDUSTRIES

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 Thickner) 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 / VITEX – 4071	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 then 50,000 CPS are measured with Spidle No. 6, 20 RPM by Brookfield Viscometer RVT Model at 25°C.
*** Viscosity above 50,000 CPS are measured with Spidle No. 7, 20 RPM by Brookfield Viscometer RVT Model at 25°C.

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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 Polyster and its Blends.

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

01 DISP. YELLOW – F7GDL – 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 – SG – 200% (C.I. NO.YELLOW – 114– 200%)	07 DISP. YELLOW – SGL– 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 – F3BS – 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%)

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DISPERSE DYES

						
36 DISP. PINK – 5BN – 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 C2R				

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	

<u>" DISP ME SERIES"</u> 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

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TEXTILE AUXILIARIES

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.

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TEXTILE AUXILIARIES

Textile - Wet Processing Auxilaries

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	Sequestering Agent
		VI - Treat DM	Anionic	Demineralizing & Sequestering
4	Peroxide Stabilizer	VI - Treat OPS	Anionic	H_2O_2 Stabilizer
5	Peroxide Killer	VI - Treat PK	Anionic	H^2O_2 Killer
		VI - Zyme EPK	Anionic	Enzymatic H_2O_2 Killer
6	Defoamer	VI - Treat SD	Non-Ionic	Silicone Base Defoamer
7	Core Alkali Neutralizer	VI - Treat CN	Anionic	Core Alkali Neutralizer
8	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
9	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

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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	Bioenviro CR	Cationic	Coagulating Agent
2	Sludge Settling & Dewatering	Bioenviro STLR	Anioinc	Floculating Agent
		Bioenviro DW	Non-Ionic	Dewatering Agent
		Bioenviro DCP	Cationic	Decanter Dewatering Agent

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WECHAT

WHATSAPP

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Gujarat 396001
India

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.

Specification

Mesh Size	99-100% Thru 300 Mesh
pH	6-7
Moisture	8% Max
Ash Content	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.

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GUAR GUM DERIVATIVES

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.

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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	<=15%
Insoluble Matter In Water	<=0.5%
Caluim Content	<=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.

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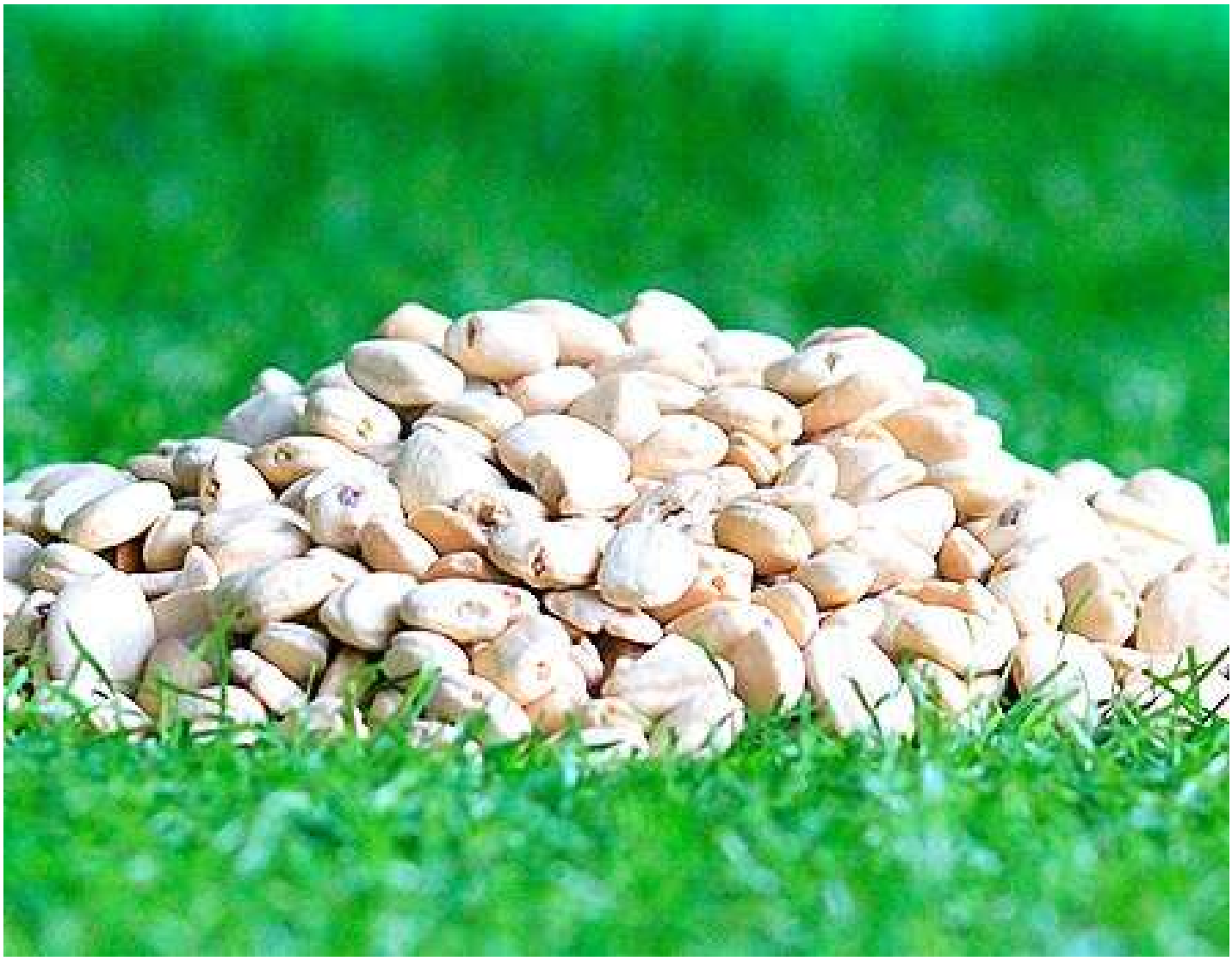
DEHUSKED TAMARIND SEED



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 kernel are also used as ingredient in cattle feed.

Uses

- Manufacturing Tamarind Seed powder
- Ingredient in cattle feed

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TAMARIND SEED HUSK

The Tamarind Seed Husk is a dry outer shell of tamarind seed obtained from roasted seed. It was 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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WHATSAPP

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