



KONKAN SPECIALITY POLYPRODUCTS PVT. LTD.

◆ **Capability**

◆ **Credibility**

◆ **Competency**

Promoted in 1987, **Konkan Speciality Polyproducts Pvt Ltd**, located at Mangalore, on the western coast of India is engaged in the development, manufacture and supply of consistent quality colours, additives, functional Masterbatches and compounds for the polymer processing industry from its multi-locational manufacturing and distribution network.

The "KONSPEC" brand

From vibrant colours to less visible additives that enhance the value of industrial products, consumer durables, consumer goods and FMCG packaging, brand **KONSPEC** meets the complete Masterbatch and polymer compound requirements of all polymer processors.



Quality

Quality, flexibility and customer orientation are at the forefront of its operations.

The company strictly adheres to ISO 9001 – 2008 procedures and is certified accordingly by BV.



100 % quality ratings from most of the customers for last 20 years.

Innovation

Innovation is a continuous process at **KONSPEC**, be it a product or process. Technical competency acquired over a period of 25 years by involvement at every stage of customer's requirement have led us to develop many innovative product and process solutions.



By being a preferred partner, **KONSPEC** is alert to customer's ever changing needs of innovation & optimisation.

Vision

- ❖ To be among the top 3 players in the markets that we operate in.
- ❖ To offer best in class, cost competitive products with a commitment to maintain the highest quality standards.
- ❖ To constantly add value to our customers by value engineering.
- ❖ To constantly invest in new technologies so as to offer path breaking innovative products to the industry.
- ❖ To reduce our carbon-foot print by offering eco friendly products.

Mission

- ❖ To reach a wide customer base, achieve customer satisfaction and exceed their expectations by means of latest technology by providing customized solutions to customers' needs.
- ❖ To provide technical backup to every customer, so that they derive value for money from our products/services, designed by using the latest technology / testing backup for their existing product range in their respective domains.
- ❖ To test and comply as per international standards viz. ASTM, ISO, DIN, UL etc and to meet regulations viz. RoHS, EC 72/2002 etc.



The Complete MasterBatch And Polymer Compounds Company

Master Batches Generic	Master Batches Customized	Innovative & Performance Products	Scientific Services Group
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- Whites
- Blacks
- Colours
- Additives
- AFMB
- Mineral filled

- Custom Designed Speciality Master-Batches suitable for Food Contact, Outdoor & Automotive Applications compliant with US FDA / EC/72 / EN-71 / RoHS / WEEE
- Combi Concentrates

- Natural Fibre compounds for auto components, planters, house-hold articles.
- **D'Fox**- Photo-Oxo Degradable Master Batch
- FR Compounds-V0,V1 & V2
- **"ODOSORB"** Odour removal MB
- **"ALPHA"** modifier for Raffia and Film industry

- Testing Laboratory
- Third-Party Certification
- Appl. Development
- Productivity Solutions
- Performance Solutions



Innovative , Eco-Friendly Products & Solutions For Low Carbon Footprint

Persol® Colosol® CombiKon® D'Fox® EcoWhite® Prosol® TransFill® UvKon® AccuPurge®

WHITE MASTERBATCHES

A RANGE OF WHITE MASTERBATCHES ON PE/PP/PS/UNIVERSAL BASE, WITH TITANIUM DIOXIDE LOADINGS UPTO 75% FOR VARIOUS APPLICATIONS. SPECIALITIES INCLUDE NON-YELLOWING, WEATHER FAST & FOOD CONTACT VARIETIES.

MASTERBATCHES ARE OFFERED IN NEUTRAL SHADE, BLUE TONES AND HIGH BRIGHTNESS.



BLACK MASTERBATCHES

A RANGE OF BLACK MASTERBATCHES ON PE/PP/PS/UNIVERSAL BASE, WITH CARBON BLACK LOADINGS UPTO 55% FOR VARIOUS APPLICATIONS. SPECIALITIES INCLUDE HIGH JETNESS, HIGH UV STABILITY, CONDUCTIVE AND FOOD GRADE VARIETIES.

COLOUR MASTERBATCHES

➤ COLOUR IS AN INTEGRAL PART OF EVERY PRODUCT. COLOURS PROVIDE AESTHETIC APPEAL, MARKET ACCEPTABILITY AND MOST IMPORTANTLY BRAND RECOGNITION. 'KONSPEC' OFFERS FROM ITS DATA BANK OF 12000 + SHADES, A RANGE OF COLOUR

- REGULAR SHADES
- PASTEL SHADES
- FROSTY EFFECTS
- PEARLESCENT
- METALLIC
- FLUORESCENT
- SPARKLE EFFECT
- GRANITE EFFECT
- MARBLE SHADES
- DOUBLE COLOUR
- NIGHT GLOW
- CUSTOMISED SHADES
- THERMO CHROMIC
- PHOTO CHROMIC
- INTERFERENCE (DUAL SHADE EFFECT)
- PANTONE SHADES
- RAL SHADES

"KONSPEC" IS THE ONLY MASTERBATCHING COMPANY IN INDIA WHICH OFFERS IN-HOUSE TESTED AND CERTIFIED COLOUR MASTERBATCHES FOR:

- FOOD CONTACT APPLICATIONS– TO MEET INTERNATIONAL REGULATIONS - USFDA. EUROPEAN UNION EC/72, AP (89), FRENCH POSITIVE LIST, JHOSPA ETC.
- ELECTRICAL AND ELECTRONICS INDUSTRIES – TO MEET ROHS & WEEE
- TOYS : EN-71-3
- CHEMICAL INDUSTRIES – MIGRATION RESISTANCE, ACID RESISTANCE
- AUTOMOTIVE APPLICATIONS- HEAVY METAL FREE (ROHS), SUBSTANCES OF CONCERN (SOC) FREE MASTER BATCHES, LIGHT FAST AND WEATHER FAST COLOURS



ADDITIVE MASTERBATCHES

A RANGE OF ADDITIVE MASTERBATCHES PROVIDING FUNCTIONAL CHARACTERISTICS IN VARIOUS PRODUCTS AND PROCESSES.

- ANTI BLOCK
- OPTICAL BRIGHTENER
- ANTI STATIC
- ANTI FOG
- VAPOUR CORROSIVE INHIBITOR (HOT & COLD)
- ANTI SKID
- ANTI OXIDANT
- CLARIFIERS
- MODIFIER
- MOLD RELEASE
- FLAME RETARDENT (V2)
- NUCLEATING
- PROCESSING AID
- UV STABILISERS
- SLIP
- FRAGRANCE
- BLOWING AGENT
- ANTI SCRATCH
- CONDUCTIVE



MINERAL FILLED MASTERBATCHES



- **AFMB**
VARIOUS GRADES OF AFMB MASTERBATCHES ARE AVAILABLE FOR MEDIUM LINE SPEED TO HIGH LINE SPEED PROCESSES.
- **OPAQUE FILLERS**
FOR BLOWN FILM INDUSTRY
- **TRANSPARENT FILLERS**
VARIOUS GRADES ARE AVAILABLE WITH HIGH BRIGHTNESS AND MEDIUM BRIGHTNESS RANGE FOR TAPES AND BLOWN FILM APPLICATIONS.

COMPOUNDS

- FURNITURE COMPOUNDS
- FLAME RETARDANT COMPOUNDS (V0, V1 & V2)
- BASED ON HALOGENATED & NON-HALOGENATED
- LENO COMPOUNDS
- MINERAL FILLED COMPOUNDS





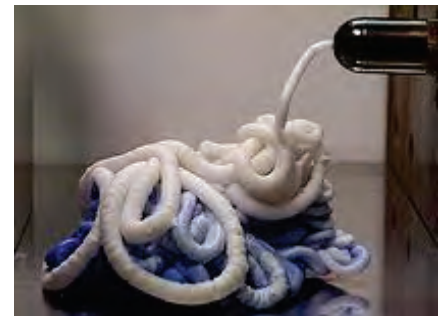
COMBI CONCENTRATES

A UNIQUE COMBINATION OF COLOURS & FUNCTIONAL ADDITIVES COMBINED INTO ONE SINGLE MASTERBATCH.

INNOVATIVE AND PERFORMANCE PRODUCTS

- **ANTI-COUNTERFEITING**
MASTERBATCHES FOR AUTHENTICATION & PRODUCT SECURITY, BOTH FOR RIGID AND FLEXIBLE PACKAGING.
- **ODOSORB**
MASTERBATCH USED TO REMOVE ORGANIC & OTHER ODOURS FROM FINAL PROCESSED ARTICLES.
- **ALPHA MODIFIERS**
RANGE OF PRODUCTS AVAILABLE FOR TAPES TO IMPROVE TENACITY, ELONGATION, SURFACE GLOSS & REDUCE POWDER FORMATION IN LOOMS.

VARIOUS GRADES OF PRODUCTS ARE AVAILABLE FOR MONOLAYER FILMS OF HIGHER THICKNESS TO IMPROVE SEALABILITY, ELONGATION & TEAR STRENGTH.
- **ACCUPURGE**
MASTERBATCH FOR PURGING AND FASTER COLOUR CHANGE DURING EXTRUSION/INJECTION MOULDING. GRADES FOR POLYOLEFINS & ENGINEERING PLASTICS, SEPARATELY OFFERED.
- **ANTI-MICROBIAL**
SPECIALITY MASTERBATCH TO ARREST & ELIMINATE MICROBIAL GROWTH IN PLASTIC SANITARY FITTINGS, TOOTH BRUSHES, ETC.
- NATURAL FIBRE BASED POLYMER COMPOUNDS & WOOD POLYMER COMPOSITES FOR AUTO COMPONENTS, WRITING INSTRUMENTS, SHEETS & PROFILES.



APPLICATION AREAS

EXTRUSION

- MONOLAYER FILM
- MULTILAYER FILM
- MONOFILAMENTS
- MULTIFILAMENTS
- TAPES
- LAMINATIONS
- THERMO FORMED SHEETS
- EXTRUDED SHEETS
- EXTRUDED HOSES
- SPEC & NON-SPEC PIPES
- WINDOW PROFILES
- WIRES & CABLES
- BOX STRAPPING
- SUTLI
- PP MATS
- DRIP IRRIGATION SPEC & NON-SPEC
- SHADE NETS
- OFC DUCTS
- CORRUGATED PIPES
- NON-WOVENS
- PPR PIPES

INJECTION MOULDING

- CRATES
- CONTAINERS
- CAPS & CLOSURES
- MOULDED FURNITURES
- TV CABINETS
- COMPUTER PERIPHERALS
- WASHING MACHINES
- REFRIGERATORS
- AUTOMOTIVE COMPONENTS
- BATTERIES
- PAINT CONTAINERS
- HOUSE HOLD ARTICLES
- MOULDED LUGGAGE
- SANITARY FITTINGS
- HANGERS
- POULTRY ITEMS
- WRITTING INSTRUMENTS
- TEXTILE BOBBINS
- SWITCHES

BLOW MOULDING

- CANS
- JERRY CANS
- BARRELS
- DRUMS
- EDIBLE OIL CANS
- LUBE OIL CONTAINERS
- PERSONAL CARE PACKAGING
- PHARMA PACKAGING
- PESTICIDE CONTAINERS

ROTO MOULDING

- WATER STORAGE TANKS
- CHEMICAL STORAGE TANKS
- SEPTIC TANKS
- COLD STORAGE BOXES
- TRAFFIC MANAGEMENT SYSTEMS
- PALLETS
- AMUSEMENT PARK EQUIPMENTS

D`Fox Masterbatches



Your Tomorrow™



D`Fox from the Persol range of MasterBatches.

A performance solution for the carrybag and blown film industry.

Tested in-house as per ASTM D standards 5575, 5208-09, 882, 3826.



**BEFORE
UV EXPOSURE**



**AFTER 100 HRS OF
UV EXPOSURE**



**AFTER 250 HRS OF
UV EXPOSURE**

Persol® Colosol® CombiKon® D`Fox® EcoWhite® Prosol® TransFill® UvKon® AccuPurge®



ISO 9001:2008 CERTIFIED COMPANY

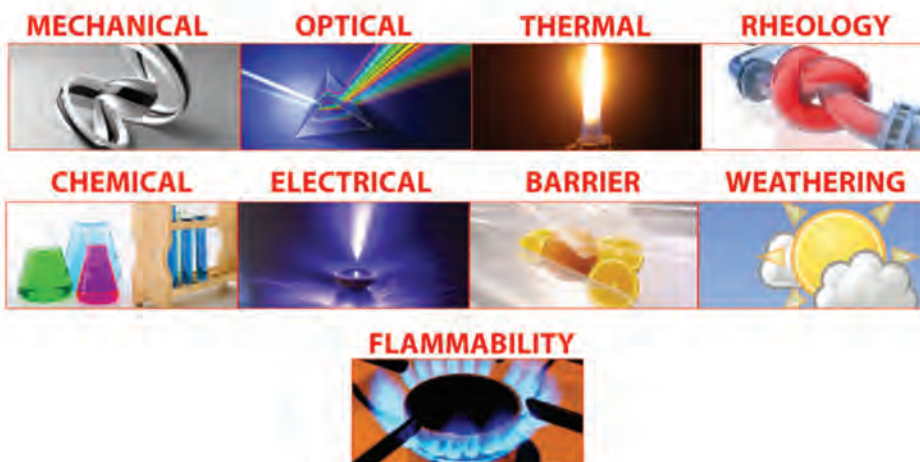
Your Tomorrow™

'KONSPEC' with domain expertise in design, manufacture and supply of consistent quality **POLYMER MASTERBATCHES & COMPOUNDS**, now offers a **WORLD CLASS** product testing, application development and certification laboratory as an independent strategic business unit.

Scientific Services Group (SSG)

- Complete risk mitigation for customers needing stringent regulatory compliances.
- Proof of concept to customers enabling faster product launches due to in house application development, testing and certification.
- Value engineering proposals to maximise Customer's profits.
- Faster certification times to Customers who need third-party certification of their finished products.
- Third-party certification services for Non Polymer Industries Viz Paints and Coatings, Chemicals and Intermediates, Food, Pigment and Dyes.

Testing . Certification . Development



Persol® Colosol® CombiKon® D'Fox® EcoWhite® Prosol® TransFill® UvKon® AccuPurge®

Testing Services Provided

Mechanical



- ❖ Tensile properties (Tensile Strength, Modulus, Elongation)
- ❖ Flexural Properties (Flexural Strength, Modulus)
- ❖ Compression strength
- ❖ Izod/ Charpy Impact strength
- ❖ Dart impact strength.
- ❖ Co-efficient of friction.
- ❖ Peel strength.
- ❖ Hydrostatic pressure.
- ❖ Tear strength.

Thermal



- ❖ Thermal Analysis (DSC, TGA & HDT/VSP).
- ❖ DSC (Melting point, Glass Transition, Specific heat, Heat capacity, Crystallinity, Oxidation Induction Time)
- ❖ TGA (Filler content, Weight loss, Thermal Stability, Carbon Black Content etc).
- ❖ HDT/VSP.

Rheology



- ❖ Melt Volume Rate.
- ❖ Melt Flow Rate.

Chemical



- ❖ Heavy metals analysis as per ROHS
- ❖ International food contact application regulation like FDA, JHOSPA, French Positive List, EC/72, EN 71-3 etc..
- ❖ Analysis of Aromatic Amine, PBB etc..
- ❖ Migration Studies-Overall migration/specific migration limits for plastics for food contact application

Electrical



- ❖ Surface resistivity.
- ❖ Volume resistivity.
- ❖ Antistatic properties.
- ❖ Conductive Properties.

Optical



- ❖ Total colour difference as per CIE, L,a,b.
- ❖ Yellowness Index..
- ❖ Optical density.
- ❖ Carbon Black pigment dispersion.

Barrier Properties



- ❖ Oxygen permeability.
- ❖ Water vapour permeability.
- ❖ Gas permeability.

Weathering Test



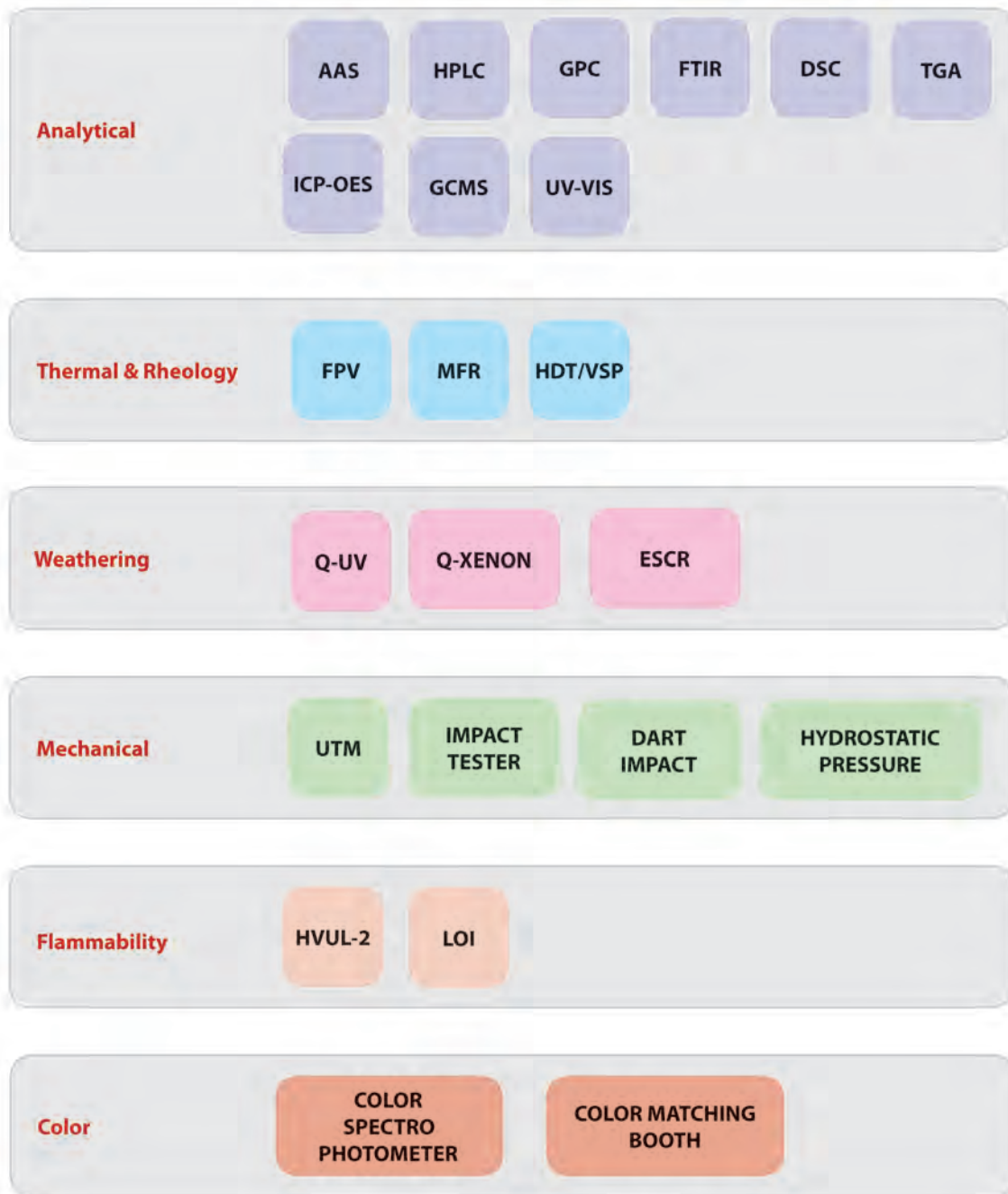
- ❖ Xenon Arc weatherometer with simulation of acid rain condition.
- ❖ Fluorescent lamp weatherometer - UVA/UVB lamps.
- ❖ Environmental stress cracking resistance (ESCR).

Flammability Test



- ❖ Horizontal burning tests (HB).
- ❖ Vertical burning tests (V0, V1, V2 etc.).
- ❖ Limiting Oxygen Index.

Range of Testing Equipment Available



Innovative & Eco-Friendly

Products/Solutions for low carbon footprint



Your Tomorrow™



KONKAN SPECIALITY POLYPRODUCTS PVT. LTD.

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