

## AUTOCLAVE CARE RANGE



Division of - Gajham Exports Pvt. Ltd.  
Govt. of India awarded Star Export House

## Our Company Profile

Kamal International specializes in supply of medical equipment and pharmaceutical products to countries like Ghana, Zambia, Kenya, Azerbaijan, Papua New Guinea, Fiji etc. Over the past few years the company has seen unprecedented growth in its business.

We strongly dedicate our services to serve the needs of importers and distributors by supplying competitive, high quality, affordable medical equipment, pharmaceutical and allied products, with wide product portfolio ranging from day-to-day therapy for pain management, anti-infective, anti-allergic, digestives & nutritional to anti-hypertensive, anti-diabetic, neuro-psychology, gynecology and also offer other material like hospital supplies – surgical equipment etc. We have been in business with PNG for past 15 years and worked with the most reputable institutions in your country.

In today's dynamic world, where the trade scenario is constantly changing, our products and services help our customers get a competitive edge. We believe and strongly practice the philosophy of 'Partners and Partnerships'. This philosophy guides us while appointing local agents for our products and marketing through their strong local networks providing opportunity for growth.

We are proud to serve small and medium enterprises. We are able to do so with our unique facility of assorting smaller individual quantities in a container, so that the customer has advantage of ordering goods as per their requirement ultimately leading to a massive saving on transportation costs.

While keeping with the global trend of moving towards customized technology in business, we have upgraded our entire system and operations, introduced IT-enabled products and services, to add on to greater business efficiencies. This has been very beneficial in social movements across developing countries. We continuously strive to provide our customers with quality & affordable products, to their expectations, requirements and deadlines. In short, "Customer satisfaction drives our business motto."

## Salient Points

- More than 20 years of experience in manufacturing and exports of products to importers world-wide.
- All medical equipment, pharmaceutical and herbal extracts in par with FDA, GMP, WHO-GMP, JECFA, FCC, EOA specifications.
- Contract manufacturing as per client's specifications.
- In-house QC and Agro-tech department.
- The QC department is equipped with HPLC, GC, AAS, TLC facilities.
- Three generation of entrepreneur experience.

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## MEDICAL GRADE REEL & POUCH

Speedy

Simple

Selection

Medical grade Sterilization reels & pouches allow sterilization of packaging contents while maintaining sterility until the package is opened. Ensuring delivery without any cross contamination

- Tear, fibre-free opening and aseptic presentation
- Triple layer sealing makes it easy to peel and with less force
- Wide range of standard sizes allows optimum choice
- Tinted transparent, reinforced multilayer co-polymer PET/CPP film
- Excellent gas permeability and microbial barrier properties
- Suitable with Steam, EO & dry heat sterilizers



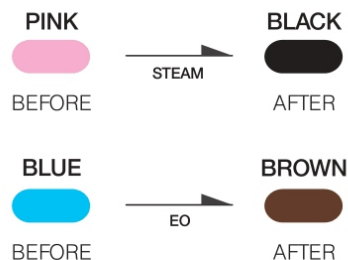
### Order guide for medical grade sterilization reel

Code	Size	Packing
RRM50	50mm(2")X200mm	10 reels/ctn
RRM55	55mm(2")X200mm	10 reels/ctn
RRM75	75mm(3")X200mm	8 reels/ctn
RRM100	100mm(4")X200mm	6 reels/ctn
RRM125	125mm(5")X200mm	8 reels/ctn
RRM150	150mm(6")X200mm	4 reels/ctn
RRM200	200mm(8")X200mm	4 reels/ctn
RRM250	250mm(10")X200mm	4 reels/ctn
RRM300	300mm(12")X200mm	2 reels/ctn
RRM350	350mm(14")X200mm	2 reels/ctn
RRM400	400mm(16")X200mm	2 reels/ctn
RRM450	450mm(18")X200mm	2 reels/ctn
RRM500	500mm(20")X200mm	2 reels/ctn

\*Gusseted Reels & Customized sizes available on demand



## MEDICAL GRADE REEL & POUCH APPLICATION GUIDE



### Order guide for self seal sterilization pouch

Code	Size	Packing
RPMS57x100	57x100mm	10000 pcs/ctn
RPMS57x125	57x125mm	6000 pcs/ctn
RPMS90x160	90x160mm	6000 pcs/ctn
RPMS70x255	70x255mm	4000 pcs/ctn
RPMS90x260	90x260mm	4000 pcs/ctn
RPMS100x280	100x280mm	4000 pcs/ctn
RPMS134x283	134x283mm	4000 pcs/ctn
RPMS190x360	190x360mm	2000 pcs/ctn
RPMS250x400	250x400mm	1000 pcs/ctn
RPMS300x400	300x400mm	1000 pcs/ctn

\*Customized sizes available on demand

## TYVEK REEL & POUCH

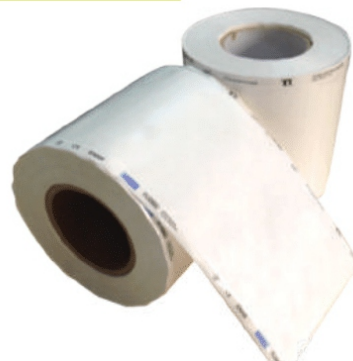
Speedy

Simple

Selection

Tyvek is a nonwoven PE fabric which is a trademark product of Dupont. Tyvek is widely preferred for its outstanding strength, durability & tear resistant

- Excellent microbial barrier properties against germs, bacteria and moisture
- Extremely high resistance to penetration and fibre-free peeling
- Easy peel, seal and aseptic presentation
- Clear and accurate color change
- Long Shelf Life which can maintain sterility for at least five years if package integrity is not compromised

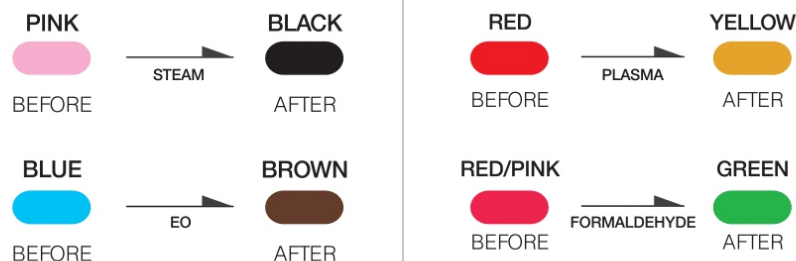


### Order guide for tyvek sterilization reel

Code	Size	Packing
RRT50	50mm(2")X70mm	10 reels/ctn
RRT55	55mm(2")X70mm	10 reels/ctn
RRT75	75mm(3")X70mm	8 reels/ctn
RRT100	100mm(4")X70mm	6 reels/ctn
RRT125	125mm(5")X70mm	8 reels/ctn
RRT150	150mm(6")X70mm	4 reels/ctn
RRT200	200mm(8")X70mm	4 reels/ctn
RRT250	250mm(10")X70mm	4 reels/ctn
RRT300	300mm(12")X70mm	2 reels/ctn
RRT350	350mm(14")X70mm	2 reels/ctn
RRT400	400mm(16")X70mm	2 reels/ctn
RRT450	450mm(18")X70mm	2 reels/ctn
RRT500	500mm(20")X70mm	2 reels/ctn

\*Gusseted reels & customized sizes available on demand

## TYVEK REEL & POUCH APPLICATION GUIDE



### Order guide for tyvek heat-seal pouch

Code	Size	Packing
RPT57x100	57x100mm	10000pcs/ctn
RPT57x125	57x125mm	6000 pcs/ctn
RPT90x160	90x160mm	6000 pcs/ctn
RPT70x255	70x255mm	4000 pcs/ctn
RPT90x260	90x260mm	4000 pcs/ctn
RPT100x280	100x280mm	4000 pcs/ctn
RPT134x283	134x283mm	4000 pcs/ctn
RPT190x360	190x360mm	2000 pcs/ctn
RPT250x400	250x400mm	1000 pcs/ctn
RPT300x400	300x400mm	1000 pcs/ctn

\*Customized Sizes Available On Demand

## SMS & SMMS WRAP SHEET

Simple

Convenient

Affordable

SMS & SMMS are made with layers of spunbound & meltblown overlapping each other

- Single use sheets for suitability for various standard & user define usage
- Sturdy material provides convenience in handling bulk product
- Excellent water-repellent material
- Smart Packaging for convenient usage
- Offers high tensile strength



\*colour available on demand



GSM	SIZES	PACKING
35 GSM	50cm*50cm	700 pcs/ctn
	60cm*60cm	700 pcs/ctn
	75cm*75cm	400 pcs/ctn
	90cm*90cm	400 pcs/ctn
	100cm*100cm	400 pcs/ctn
	120cm*120cm	400 pcs/ctn

GSM	SIZES	PACKING
43 GSM	50cm*50cm	600 pcs/ctn
	60cm*60cm	600 pcs/ctn
	75cm*75cm	350 pcs/ctn
	90cm*90cm	350 pcs/ctn
	100cm*100cm	350 pcs/ctn
	120cm*120cm	400 pcs/ctn

GSM	SIZES	PACKING
60 GSM	50cm*50cm	500 pcs/ctn
	60cm*60cm	500 pcs/ctn
	75cm*75cm	250 pcs/ctn
	90cm*90cm	300 pcs/ctn
	100cm*100cm	300 pcs/ctn
	120cm*120cm	300 pcs/ctn

\*Customized sizes available on demand



## CREPE SHEET

Reliable

Secure

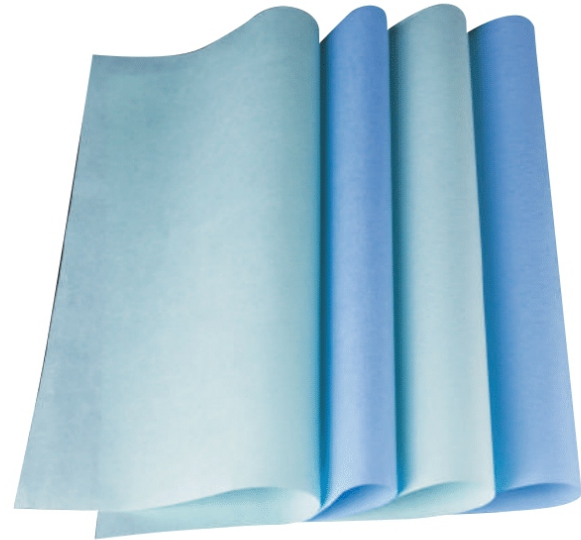
Sustainable

Crepe sheets are processed from the direct extract of tree pulp and are made of 100% natural cellulose fibers, providing an excellent porosity & barrier for bacterial permeability.

- Ecofriendly trusted packaging material
- Soft, particle free fabrics provide most secure packaging
- Excellent Porosity providing high bacterial barrier
- High-Quality light weight material
- Smart packaging for convenient usage



\*Colour available



GSM	SIZES	PACKING
45 GSM	50cm*50cm	600 pcs/ctn
	60cm*60cm	600 pcs/ctn
	75cm*75cm	350 pcs/ctn
	90cm*90cm	350 pcs/ctn
	100cm*100cm	350 pcs/ctn
	120cm*120cm	400 pcs/ctn

GSM	SIZES	PACKING
60 GSM	50cm*50cm	500 pcs/ctn
	60cm*60cm	500 pcs/ctn
	75cm*75cm	250 pcs/ctn
	90cm*90cm	300 pcs/ctn
	100cm*100cm	300 pcs/ctn
	120cm*120cm	300 pcs/ctn

\*Customized sizes available on demand

## MASKING TAPE

Strength

Durability

Comfort

These high-quality adhesive tapes are intended to be used outside the article pack or container intended to be sterilized for keeping the package integrity intact.

Made of saturated crepe paper with pressure sensitive adhesive provide high strength.

Excellent durability with high working temperature upto 132°C.

Soft comfortable tearing makes it easy to handle by the user during bulky packaging



CODE	PACKING
RMT	48 pcs/case

## BOWIE DICK TEST PACK & SHEET

Everyday monitoring... make it simple

Everyday monitoring Bowie & Dick Test Pack and sheets are best suited for equipment malfunction check

- Detects autoclave equipment malfunctions
- Precise and sharp process indicator colour change provides distinctive pass / fail result
- Smart & compact packaging
- 100% lead and heavy metal free indicator inks



### BOWIE DICK TEST PACK TYPE-2

CODE: RSMBD-121/15  
CONFORMS ISO11140-5:2007  
CYCLE TIME: 121°C-15MIN/134°C-3.5MIN  
PACK SIZE: 12PKT/BOX, 12BOX/CTN

BEFORE



Pass

AFTER

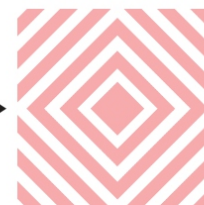


### BOWIE DICK TEST PACK TYPE-2

CODE: RSMBD-121/10  
CONFORMS ISO 11140-5:2007  
CYCLE TIME: 121°C-10MIN  
PACK SIZE: 20PKT/CTN



Pass

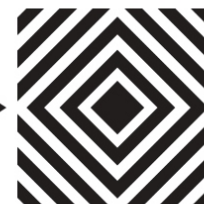


### BOWIE DICK TEST SHEETS

CODE: RSMBDS  
CONFORMS ISO 11140-5:2007  
CYCLE TIME: 121°C-15MIN/134°C-3.5MIN  
PACK SIZE: 50 SHEETS/BOX



Pass





## CHEMICAL INDICATOR

Precise and sharp... makes sterilization easy

Emulating Indicators or also called as Cycle verification. Indicators proves exposure to conditions essential for sterilization to occur.

- Monitors critical cycle parameters of steam sterilization
- Precise and sharp process indicator color change
- Laminated for durability
- Smart & compact packaging
- 100% lead and heavy metal free indicator inks

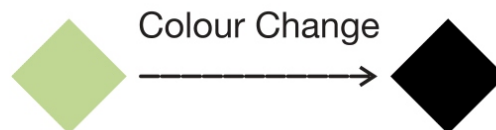
### CHEMICAL INDICATOR TYPE-6

CODE: RSMCIT6-121/15

CONFORMS ISO 11140-1

CYCLE TIME: 121°C-15MIN/134°C-5MIN

PACK SIZE: 250 STRIPS/POUCH



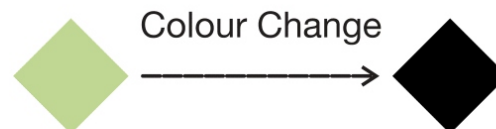
### CHEMICAL INDICATOR TYPE-6

CODE: RSMCIT6-121/20

CONFORMS ISO 11140-1

CYCLE TIME: 121°C-20MIN/134°C-7MIN

PACK SIZE: 250 STRIPS/POUCH





## INDICATOR TAPE

For Simple packaging & Easy Identification

The autoclave indicator tapes are handy to identify processed & unprocessed pack at a glance

- High quality non-toxic adhesive
- Compatible to use over paper & film both
- Precise and sharp process indicator color change
- Easy recognizable indicator stripes
- 100% lead and heavy metal free indicator inks

\*12mm & 25mm width tapes available on demand



BEFORE

AFTER

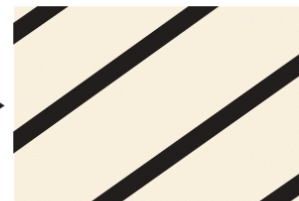
### STEAM INDICATOR TAPE

CODE: RSMSIT

CONFORMS ISO 11140 & EN867

SIZE: 19MM x 50M

PACK SIZE: 48PCS/CTN



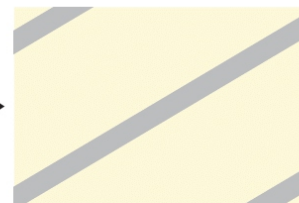
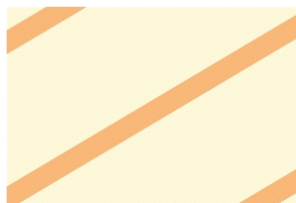
### EO INDICATOR TAPE

CODE: RSMEIT

CONFORMS ISO 11140 & EN867

SIZE: 19MM x 50M

PACK SIZE: 48PCS/CTN



### PLASMA INDICATOR TAPE

CODE: RSMPT

CONFORMS ISO 11140 & EN867

SIZE: 19MM x 50M

PACK SIZE: 48PCS/CTN

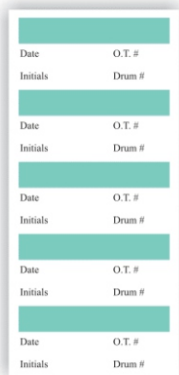


## BIOLOGICAL INDICATOR

Self-Contained Biological Indicator are used for monitoring vacuum-assisted and gravity air-displacement Steam Sterilization processes at 121-135°C.

*Geobacillus stearothermophilus* & *Bacillus atrophaeus* with  $10^5$  or  $10^6$  available in strip & vial form





## Steam Sterilization Indicator Label

### Property

Color Change  
Critical Parameters  
Classification  
Storage Conditions (Before Use)  
Shelf Life  
Product Code  
Storage Conditions (After Use)

### Value

Green to Light Grey/Grey/Black  
Saturated Steam; 121° C, 15 minutes  
STEAM  
Store in a cool, dry place  
2 years  
CPI001  
Store at room temperature

## Flat / Tyvek Sterilization Roll



Item No.	Size
YFSR-050	50mm x 200m
YFSR-075	75mm x 200m
YFSR-100	100mm x 200m
YFSR-150	150mm x 200m
YFSR-200	200mm x 200m
YFSR-250	250mm x 200m
YFSR-300	300mm x 200m
YFSR-400	400mm x 200m



Item No.	Size
YTR - 050	50mm X 70m
YTR - 075	75mm X 70m
YTR - 100	100mm x 70m
YTR - 150	150mm X 70m
YTR - 200	200mm X 70m
YTR - 250	250mm X 70m
YTR - 300	300mm X 70m
YTR - 400	400mm X 70m



## Steam Sterilization & EO Indicator Tapes

- Used for saturated vapor sterilization.
- Printed with continuous and defined lines.
- Printed with lead free ink(non-toxic), with special indicator, changed to brownish black, after steam sterilization.
- Adheres to cloth, paper, and plastic wrapping.
- Maintains adhesion to the surface after sterilization process.

**Size : 19mm x 50m**

### Steam & EO Tape



## Sterilization Indicator Strips / Labels / Bowie Dick

- Be consisted of special card, standard color patch, and indicator strip.
- To display indicator color patch (Blue) by printing indicator ink onto a strip of special paper (standard color patch).
- Clearly contrasting color changes before and after sterilization help detect malfunction or errors when loading a sterilizer.

Sterilization Method	Initial Colour	Change to
Vapor	Yellow	Grey/Black
Hydrogen Peroxide	Red	Yellow
Ethylene Oxide	Red	Blue
Formaldehyde	Orange	Yellow







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