



MESSAGES FROM PRESIDENT & CMO

Dear Valued Customers,

We at ABY™ take delight in serving you for almost five decades with focus to achieve excellence & creating superior value. We have always adopted state of the art technologies, delivered world class products and worked closely with key partners to develop new products and applications. In recent years, we have taken many new initiatives to enhance it further.

To update you on latest happenings at ABY™, we have come up with this newsletter. Hope this will be useful and your feedback to improve our products and services will be highly appreciated.

Best Regards,

Kapil K. Agarwal

President & CMO, Overseas Spinning Business
Aditya Birla Group

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ABOUT ABY™

Aditya Birla Yarn (ABY™), part of USD 41 Billion Aditya Birla Group, has been in the spinning business for more than five decades.

We are reckoned as global leaders in Synthetic Spun Yarn with 5 manufacturing plants in three countries – Indonesia (3 plants), Thailand (1 plant) and Philippines (1 plant) with annual production capacity of 170,000 MT.

Our ability to produce superior quality yarn is largely due to the plethora of world-class, cutting-edge facilities at our disposal – 600,000 Ring Spindles, 16,240 Open End Rotors and 960 Vortex positions. All this is backed by our state-of-the-art Pilot Plant and Centre of Excellence which covers spinning, knitting, dyeing, finishing, garmenting and testing labs for New Product Development.

VALUE ADDED PRODUCTS

1. Birla Modal
2. Birla Excel
3. Bamboo Rayon

4. ABY™ Triblend
5. ABY™ Unifeel
6. ABY™ Style



Birla Modal

Product Description

The only heavy metal-free fibre in the world, Birla Modal has a unique cross-section and a brilliant lustre. It is more absorptive and softer, making it more pleasant to the skin. With its lustre, sheen, drape, smoothness and breathability, this fibre is extremely well suited for blending with other fibres.

Technology

Regular Ring Spinning, Compact Spinning, SIRO (regular & ABY™ Style version), Unifeel Modal and MVS.

Blend Option

100% Modal, 100% Micro Modal, Modal / Cotton, Modal / Poly

Count Range

Ne 10/1 to Ne 60/1. (2-ply option also available)

Look good, feel great!

Birla Modal Advantages



Brilliant Colours



Unmatched Lustre



Stable Fit



Ease of Processing



Superfine



Superior Blend Partner



Birla Modal



Birla Excel

*Highest fibre strength,
lowest environmental impact.*

Birla Excel Advantages



Strongest Cellulosic Fibre



Skin Friendly



High Moisture Absorbency



High Dimensional Stability



High Resistance to Wash Damage



Birla Excel

Product Description

Birla Excel is a third generation fibre, the latest in the line of cellulosic fibres from Birla Cellulose. Made from a highly refined eco-friendly process that emerged as result of the studies at the Birla Research Institute, it combines the comfort and luxury of a natural fibre with the engineered precision of a man-made fibre. Excel comes with a unique set properties like high strength and dimensional stability, high absorbency, smoothness and skin-friendliness. Also adding to the green quotient of this product is the fact that it is made from the best quality wood pulp, a natural and renewable resource.

Technology

Regular Ring Spinning, Compact Spinning and MVS

Blend Option

100% Excel and in blends with Cotton, Linen, Polyester, Nylon (6 or 66).

Count Range

Ne 10/1 to Ne 40/1. (2-ply option also available)

VALUE ADDED PRODUCTS

1. Birla Modal
2. Birla Excel
3. **Bamboo Rayon**

4. **ABY™ Triblend**
5. **ABY™ Unifeel**
6. **ABY™ Style**



Bamboo Rayon

Product Description

Bamboo Rayon fibre is a regenerated cellulose fibre made from bamboo pulp.

Environment Friendly Raw Material

Sustainable, Eco Friendly, Biodegradable

Technology Options

Regular Ring Spinning, Compact Spinning

Blend Options

100% Bamboo Rayon and in blends with Cotton, Linen, Polyester.

Count Range

Ne 10/1 to Ne 40/1.
(2-ply option also available)

Applications

Terry towel, intimate apparels and other fashion apparels (woven & knits).

Special Properties of Bamboo Rayon Based Products

- Incredibly Soft - A more soft & luxurious feel
- Antibacterial - Bacteria does not live well in this fabric. So doesn't get smelly even after many uses
- UV Protection - Cuts out 97.5% of harmful UV rays, so perfect for holiday / travelling cover-ups.
- Sensitive - It's anti-static and sits well next to your skin
- Moisture Wicking - Bamboo fabric absorbs moisture away from skin
- Thermo Control - Bamboo fabric is warm. Due to hollow microfibre (like wood) Bamboo fabric is warm but also breathable.

Technology Options

Ring Spinning

Count Range

Ne 10/1 to Ne 40/1. also available in Slubs.

Applications

Apparel knits



ABY™ Triblend

Product Description

ABY™ Triblend is the best option to make perfect use of unique properties of 3 different fibres namely. It offers best performance and gives option of creating multiple aesthetics by playing with dyeing / finishing.

ABY™ offers Triblend by using fibres like : Polyester, Rayon, Cotton, Modal, Wool, Linen, Nylon. Most popular combinations are: Polyester / Cotton / Rayon / Modal / Wool / Linen.

VALUE ADDED PRODUCTS

1. Birla Modal
2. Birla Excel
3. Bamboo Rayon

4. ABY™ Triblend
5. ABY™ Unifeel
6. ABY™ Style

Stay in timeless style



Product Description

ABY™ Unifeel RAY yarn, has a host of both trade and consumer benefits. It's low yarn hairiness ensures excellent resistance to pilling, fabric uniformity, comfort, drape and performance. The superior consistency in yarn quality results in uniform finished fabric.

ABY™ Unifeel RAY yarn's inherent strength & uniformity enables improved efficiency in the down-stream process like yarn dyeing, knitting, weaving and wet processing.

Applications

Knits and woven tops, dress, kid's wear, active wear and home textiles.

ABY™ Unifeel

Make a style statement!



Product Description

ABY™ Style yarn is devised to offer innovative designs and patterns that are trendy. ABY™ Style yarn provides everything you could possibly ask for - comfort, brilliant colors and long-lasting color fastness.

ABY™ Style yarn presents a platform to create design effects by differential dyeing, apart from being substantially strong and exhibiting exceptional yarn uniformity that facilitates easy processing. It is a designer's delight.

Applications

Ladies fashion wear, active outdoor, wear, men's t-shirts and night wear.



ABY™ Style

NEW PRODUCT FROM ABY™

1. ABY™ Wooltouch
2. ABY™ Glitter
3. ABY™ Flexo

4. ABY™ Linen Blends
5. ABY™ GreenPoly
6. Expanded product range in MVS

7. Technical Textiles



ABY™ Wooltouch

Product Description

1. Wool effect using unique blends of Polyester & Rayon.
2. Hairy effect.
3. Cost effective as compared to Wool or Acrylic Blends.

Application

Knit apparel

Technology

Ring Spinning with blend of special viscose fibre. Single part dyeing of polyester gives best effects.

Product Developed

Polyester/Viscose 65/35 :

Ne 20/1, Ne 24/1

Polyester/Viscose 80/20 :

Ne 20/1, Ne 24/1, Ne 30/1

Product Description

1. Metallic / Glitter effect in garment specifically for party wear & other fashion applications.
2. Alternate option for metallic tape twisted yarns.
3. Single part dyeing (Cellulosic part).

Application

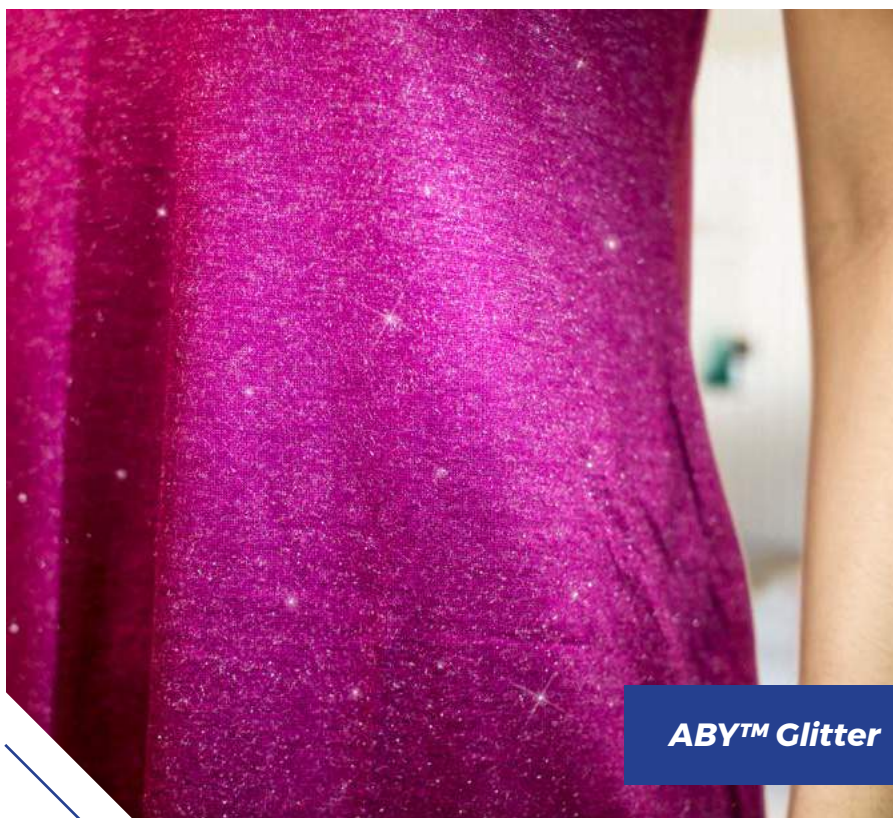
Apparel knits

Technology

RT using Special Polyester. Ring spun.

Product Developed

Ne 30/1 Viscose / Glitter-Poly 85/15 (Knits)



ABY™ Glitter

NEW PRODUCT FROM ABY™

1. ABY™ Wooltouch

2. ABY™ Glitter

3. ABY™ Flexo

4. ABY™ Linen Blends

5. ABY™ GreenPoly

6. Expanded product range in MVS

7. Technical Textiles

Product Description

1. ABY™ Flexo Powered by DuPont™ Sorona®.
2. Sorona® is made, in part, with bio-based Ingredients instead of petrochemicals, thereby, reducing dependence on petroleum / fossil fuels – a finite resource. It's a renewably sourced polymer.
3. Sorona® blended products offer following properties in the fabric:
 - Super softness
 - Comfort stretch with excellent recovery. For higher stretch CSY version can be used.
 - Easy dye with good color-fastness
 - Chlorine / UV resistant
 - Easy Care – Wrinkle Release

Technology

Ring Spinning. In blends with other fibres. Sorona® 40 to 60%. Dyeing similar to polyester (will share complete guidelines on request).

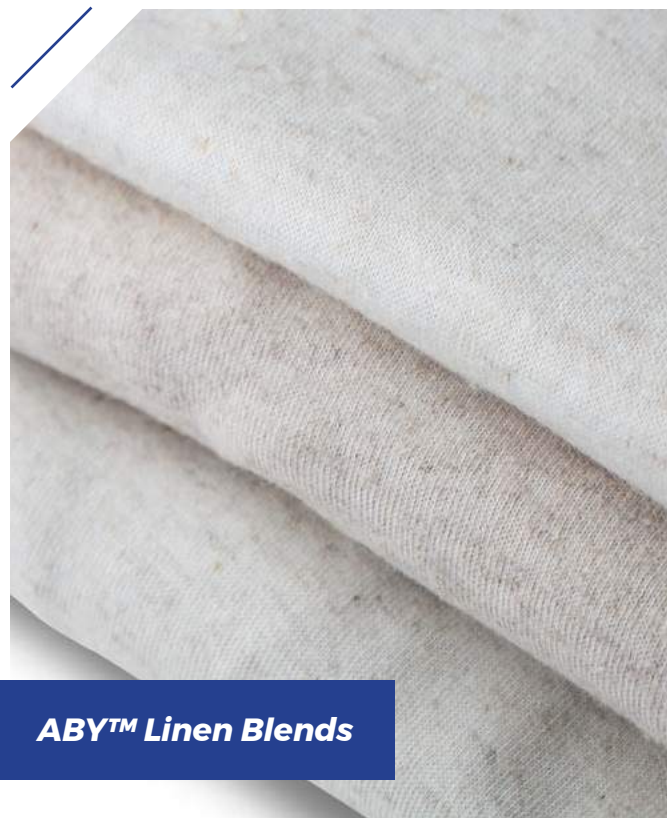
Application

Both woven and knits. yoga wear, sportswear, intimate wear, outer wear, denim wear.



ABY™ Flexo

Powered by DuPont™ Sorona®



ABY™ Linen Blends

Product Description

ABY™ Manufactures various linen blended yarns using superior quality cottonised linen fibre of European origin, which is fine and soft for apparel and home textile applications.

Linen is a cellulosic bast fibre that grows inside of the stalks of the flax plant, one of the oldest cultivated plants in human history.

Unique Properties

- Comfortable natural fibre.
- Natural unevenness gives unique look.
- Goes well in blends with most of other fibres.
- Its moisture absorption capacity is almost double than cotton.
- Healthy fibre: Inherent thermo-regulating, UV resisting and anti bacterial properties.

ABY™ Offerings

- ABY™ uses both Natural and Bleached Linen Fibres.
- Linen%: 10 to 55%
- Count Range: 7s to 30s Ne
- Technology Options: Ring, MVS, OE.
- Blending Partners: Viscose, Modal, Polyester, Cotton. Triblend options also available.

Applications

Both in weaving and knitting. Apparel and home textiles.

NEW PRODUCT FROM ABY™

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ABY™ GreenPoly

Product Description

Recycle Polyester is a sustainable fibre, made from recycled materials, including used plastic bottles. It offsets use of crude oil, conserving precious natural resources & energy.

The process of converting PET into recycled polyester requires much less energy than in the case of normal polyester. It takes approx 30-40% less energy.

Benefits

- Environment-friendly, sustainable fibre.
- Reduced dependence on petroleum as the raw material.
- Less requirement of water and energy during fibre manufacturing.
- Properties similar to virgin grade polyester. Can be dyed and finished for all kinds of applications.
- Many international brands encourage use sustainable fibres like recycled polyester.

ABY™ Offerings

- 100% Recycled Polyester
- Blends with other fibres like regular cotton, BCI Cotton, Viscose etc.
- Can be offered through all 3 spinning technologies: Ring, OE, MVS.
- Count range: Ne 6/1 to 40/1.



Expanded product range in MVS

ABY™ has expanded its product range made using MVS technology. Apart from producing high class Viscose yarns, it has also started offering below yarns in MVS:

- 100% Modal or Micro Modal
- 100% Lyocell (Birla Excel)
- Viscose / Linen 85/15
- 100% Polyester
- Polyester / Viscose 65/35
- 100% Acrylic



Technical Textiles

ABY™ has invested heavily in terms product and market development to become a solution provider to this very important segment of technical textiles. It covers various application segments such as Protek, Indutech, Hometech, Medtech, Sporttech and Clothtech. Please feel free to contact for more details.

WHAT'S NEW FROM ABY™

Multifold Yarn Capacity Expanded

ABY™ is one of the leading suppliers of synthetic spun yarns globally. Multifolded yarns in various counts and compositions are used in critical applications such as Belting, Filtration, Carpet Backing, Bag Closing threads to name a few. Keeping this in mind ABY™ has expanded its capacity in Multifolded yarns which covers below range of products:

- Jumbo packages of upto 15 Lb weight.
- No of ply: up to 12
- Resultant yarn count of 0.75 Ne in the coarser side.
- Composition: 100% Polyester, 100% Viscose, Polyester / Viscose and Polyester / Cotton.



Dyed Yarns at ABY™, ABY™ Colorlast

ABY™ has started offering dyed yarns using dope dyed fibres like Viscose, Polyester and Acrylic. Production in ring spinning technology has already been started and Dyed Yarns from Open End technology is going to start from Q3 of 2017.



Latest Supply Chain Management Tools Implemented

ABY™ is committed to offer the best in class customer service apart from the world class quality of products manufactured at its state of the art facilities. Use of latest generation Supply Chain Management tools help in managing it more effectively with better control in the whole process. This is more important with ever increasing complexity in product mix and flexibility requirement in terms quicker delivery of smaller lots. With successful implementation of this this SCM Tool, ABY™ is better equipped to deal with such requirements.



**COMING
SOON**

BCI Cotton Blended Products

ABY™ is committed to sustainable textile manufacturing. As a step in this direction, very soon ABY™ is going to offer BCI Cotton Blended products from its PT. Sunrise Bumi Textile plant.

Sewing Threads

ABY™ is going to start dedicated facility for manufacturing yarns for Sewing Threads using super high tenacity polyester fibre and technical fibres. It will be offered in regular packages and also on dye tubes.

EVENT

ABY™ @ TECHTEXTIL FRANKFURT

Place

Frankfurt, Germany

Date

May 9-12, 2017



ABY™ Protek

ABY™ Hometech

ABY™ Indutech

ABY™ Medtech

ABY™ Sporttech

ABY™ Clothtech

NEW CERTIFICATIONS



**OHSAS 18001:
2007**



ISO 50001:2011



**Oeko-Tex
Standard 100**

ABY™ Classics

1. Viscose
2. Viscose Cotton
3. Viscose (OE, Vortex)
4. Polyester
5. Polyester Viscose
6. Polyester Cotton (TC / CVC)

ABY™ Acrylic (Dyed / Grey)

1. Acrylic (HB / NB)
2. Acrylic (Cot look)
3. Acrylic Cotton
4. Acrylic Viscose
5. Acrylic Soft
6. Acrylic Mélange

ABY™ Niche

Fiber Based:

1. Speciality Polyester
 - Micro Denier
 - Low Pill
 - Cationic
 - Optical Bright
 - Luminescent
2. Bamboo & Blends
3. Bembarg & Blends
4. Polyester Linen
5. Viscose Linen
6. Viscose Wool
7. Viscose Nylon
8. Tri Blends

Techonolgy Based:

1. Slub & Injection Slub
2. Multi Count & Multi Twist
3. SIRO
4. Compact
5. Core Spun
6. High Twist, Reverse Twist

ABY™ Techno

Flame Retardant:

1. FR Polyester
2. FR Viscose
3. Meta-aramid
4. Para-amaid
5. Modacrylic
6. FR Blends
7. Polyester Multi Fold (Jumbo Package)
8. Cotton Nylon 66
9. Pigment Dyed Acrylic (for Outdoor)
10. Anti-microbial (Polyester, Viscose)

ABY™ Dope Dyed

1. Polyester
2. Polyester Mélange
3. Viscose
4. Viscose Mélange
5. PV Mélange
6. Acrylic

Yarn from Branded Fibers & its blends

1. Birla Modal
2. Birla Excel
3. Pilbloc
4. Amicor
5. Core Spun Lycra
6. Coolmax
7. Thermolite
8. Recycle Polyester (Repreve)
9. Sorona



LYCRA®, COOLMAX® and THERMOLITE® are all INVISTA trademarks.
Sorona® is DuPont™ trademark.
REPREVE® is Unifi trademark.



RESEARCH & DEVELOPMENT

Facilities

1. Spinning Pilot Plant
(Ring Spinning)
2. Knitting Pilot Plant
(Circular & Flat)
3. Fabric Dyeing & Finishing Plant
4. Garment Sampling Line
5. ABY™ Studio

To support

1. New Product Development
2. Business Development
3. Brand Connect



Spinning Pilot Plant



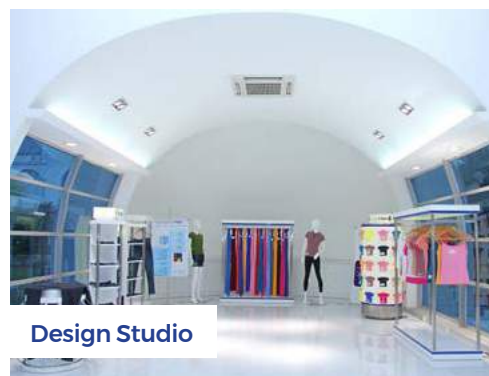
Knitting Pilot Plant



Fabric Dyeing



Garment Sampling Line



Design Studio



Testing Laboratories

Marketing Head Office

We welcome your feedback

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