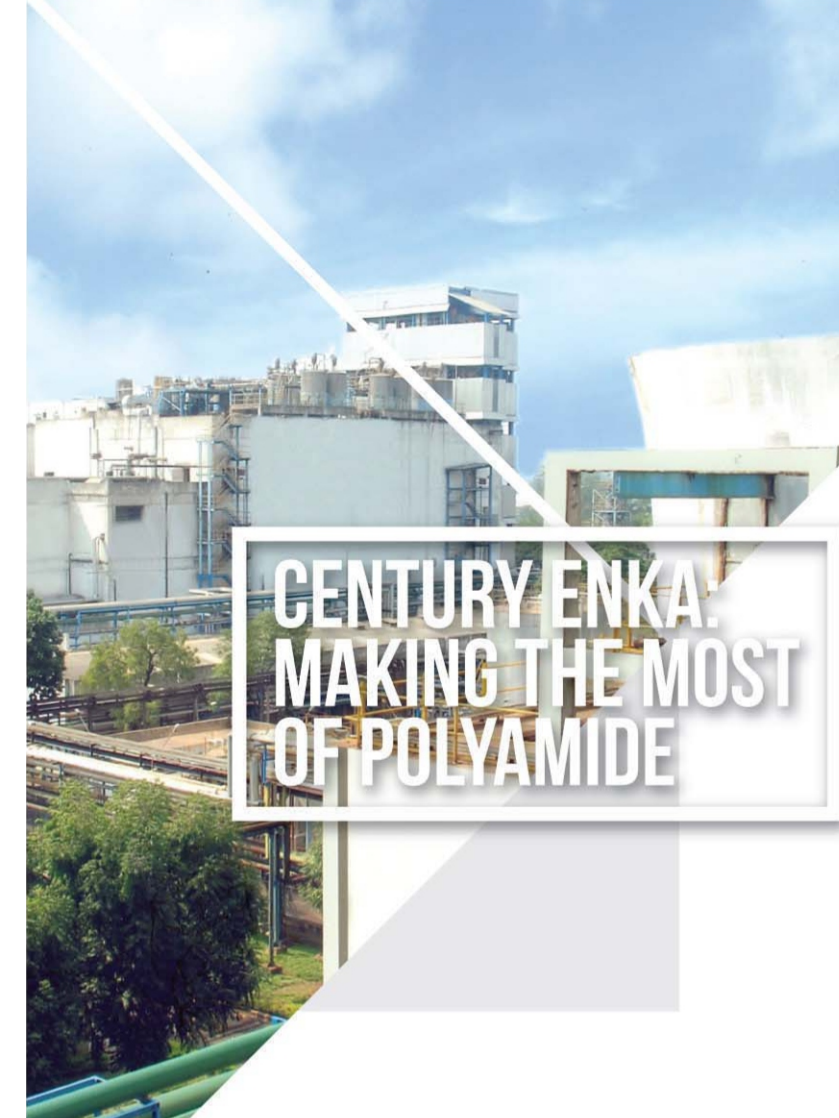




**DISCOVER
NEW VISTAS
IN FASHION
WITH THE
VERSATILITY
OF POLYAMIDE**

CENTURY ENKA LIMITED



CENTURY ENKA. MAKING THE MOST OF POLYAMIDE

FEATURES OF NYLON FILAMENT YARN

Nylon, also known as Polyamide is a versatile engineered material, and primarily used in EthnicWear, Knitting, stockings and functional clothes. The fabric is recognized for its softness, Silly Luster, Bright Colours & flexibility, but also valued for its durability and toughness. Its properties make it the first choice over many natural fabric options, such as cotton and wool, even though it's a petro based synthetic material.

COMFORT

- Moisture absorption is 10 times more than Polyester.
- Good air-permeability
- Excellent softness and mild touch
- Skin friendly
- No mildew or fungi
- Lightweight but exceptional strength
- Resists wrinkles and shrinkage
- Easy to wash, fast drying

FASHION

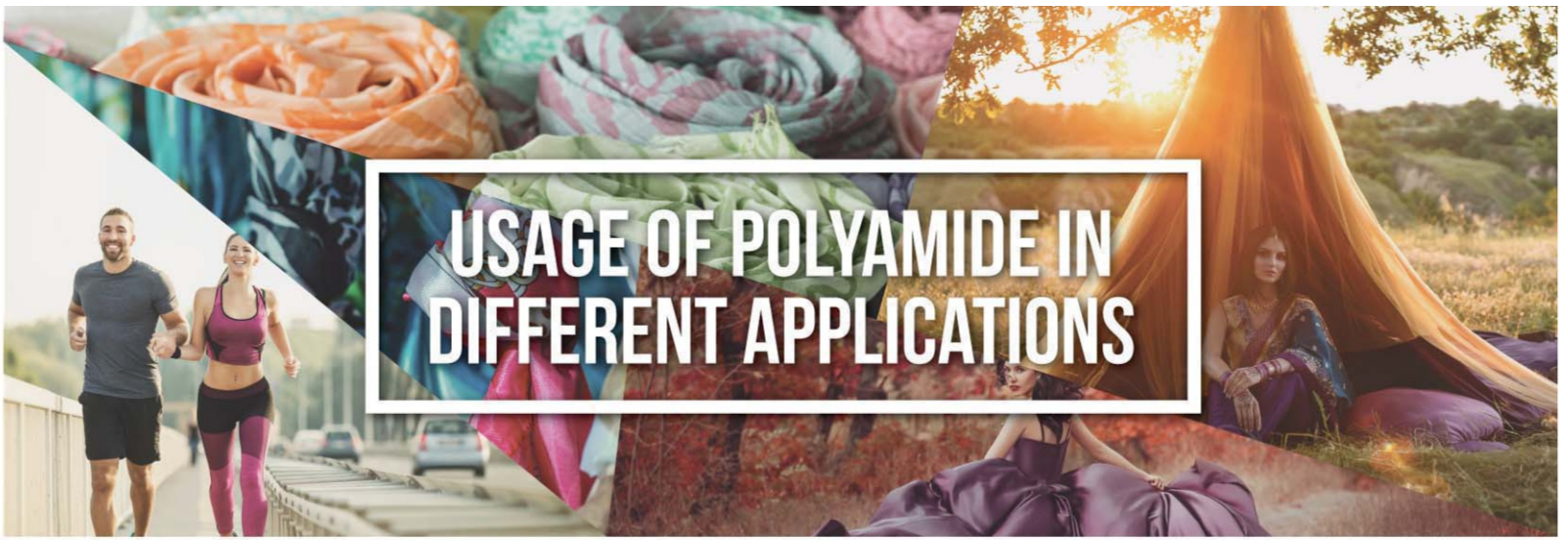
- Easy dyeability and bright colors
- Excellent luster and silky feel
- Stretch & fit to body
- Silky or cotton feel, based on customization
- Good drape
- Soft Handle
- Incredibly versatile
- Ideal application in Lingerie, Ethnic, Functional & Active Wear

Established in 1965, Century Enka Ltd is part of the "Birla Conglomerate, having presence in wide spectrum of businesses encompassing Textiles, Chemicals, Cement, Pulp & Paper & Real Estate.

Century Enka Ltd (CEL) contributes to the Polyamide Yarn business in the group. It is the largest producer of Polyamide Textile yarns & Second Largest manufacturer of Polyamide Tyre Cord Fabric in India with a capacity of 40,000 Ton/annum in Polyamide Textile Yarn and 36,000 Ton/annum in Polyamide Tyre Cord Fabric. CEL has two state of the art plants at Pune (Maharashtra) & Bharuch (Gujarat).

CEL is a quality driven company and offers one stop solution fulfilling needs of India's most discerning Polyamide customers. The fabric made from our yarn finds usage in traditional as well as haute couture range of leading fashion designers. CEL offers a very broad product basket in Polyamide for textile yarns comprising of Mono filaments, Mother Yarn, FDY, POY, Draw Textured, Air Textured, Dope-dyed yarns, TOW, Draw Wound yarns, HTFDY etc. CEL also makes customised yarns on made-to-order basis for meeting specific requirements ensuring customer's delight. CEL continues to strive for excellence and innovations by supplying world class products and services with clear focus on the customer in all its activities.

Being easily dyeable, Polyamide Filament Yarn imparts an exquisite luster and vibrancy to the fabric. Our product promises value to the customer that goes beyond "must haves" in clothing to "ultimate haves". Our superior product engineering ensures durability, softness and effective moisture management which makes Polyamide filament yarn most apt for new generation intimate fabrics and garments.



USAGE OF POLYAMIDE IN DIFFERENT APPLICATIONS

USAGE OF NYLON IN DIFFERENT APPLICATIONS

ETHNIC WEAR

Wide variety of Nylon 6 yarns are available in denier range starting from 20 d to 600 d based on different applications and use. Yarns are available in DTY, HOY, FDY, Draw Winder, Mono Mother Yarn & Air Textured form.

Polyamide base fabrics are Popular in categories namely; georgette, chiffon, crepe, Kora silk & Bhagalpuri silk. Georgette & chiffon are sheer fabrics, whereas Kora silk & Bhagalpuri silk fabrics display properties similar to silk.

FEATURES:

- Bright & Lustrous colours
- Silky feel & texture
- Easy dyeability
- Soft feel
- Comfort
- Durability
- Jari compatibility
- Drape & handle
- Light weight

USAGE:

These fabrics are suitable for ethnic wear garments such as Sarees, dress material, kurtis & dupattas.



ACTIVE WEAR, CASUAL WEAR

Denier range from 30 d to 500 d

For Active wear CEL offers wide range of DTY, ATY, Flat, Stretch Yarns in Raw White & Dope Dyed Colours.

Active Wear accentuates the trend of wearing comfortable, carefree clothing that is fashionable. Products developed for active wear have great stretch and moisture management which ensure easy mobility for an active lifestyle.

Casual Wear sees usage of knit jacquard fabrics that offers fashion along with comfort and ease of use.

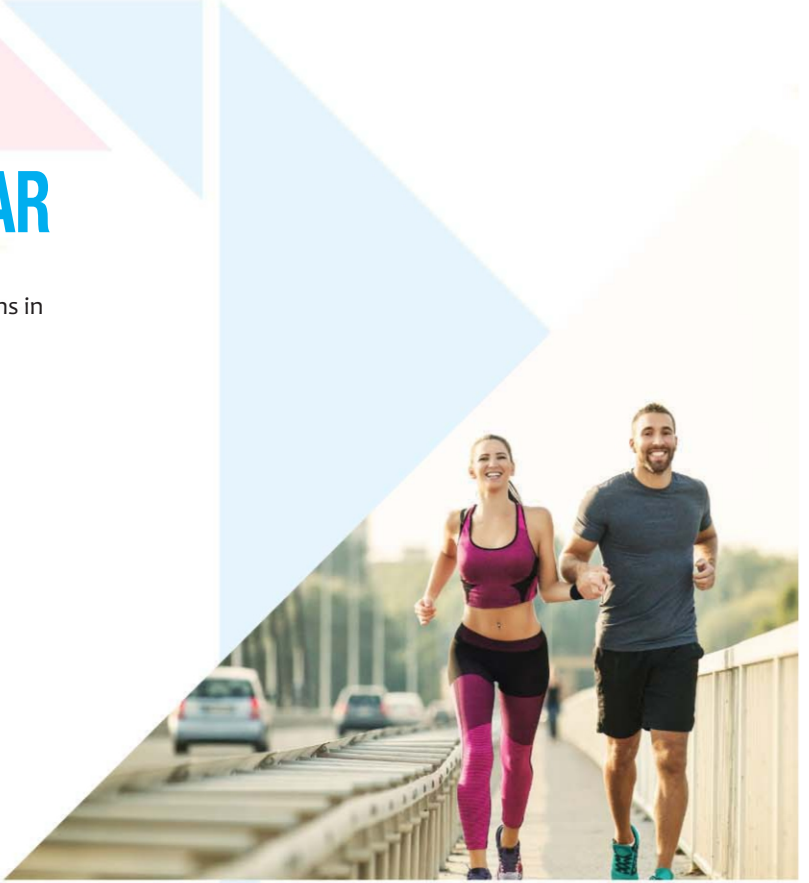
Work Wear finds usage in knit and woven fabrics due to Light weight, quick drying and soft handle.

FEATURES:

- Durability & flexibility
- Abrasion resistance
- Shape retention
- Easily dyeable
- Soft & bulky
- Cotton feel
- Light weight
- Comfort to body
- Stretch
- Moisture management
- Sustainability

USAGE:

With its incredible stretch and great moisture management, Polyamide fabrics find usage in sportswear, T-shirts, Leggings, Yoga wear, athleisure, gloves, facemarks, raincoats and wind breakers





LACES, ELASTICS, TRIMS, NETS & LINGERIE

Wide variety of Nylon Yarns like Mono, HOY, FDY & Fine and Micro DTY products. Denier range from 20 d - 300 d. Light weight but exceptional strength makes Polyamide great for Narrow wovens and Ntes. It is not only stretchable but also highly durable.

Delicate designs in laces, softness and moisture management makes Polyamide a great choice for lingerie.

FEATURES:

- Rich Colors
- Feel & texture
- Soft feel
- Comfort to skin
- Durability
- Jari compatibility
- Drape & handle
- Light weight
- Stretch

USAGE:

Labels, Elastics, Laces and nets can be used in sleep wear, lounge wear, lingerie, kids wear, tops & dresses

ECO-GREEN / RECYCLED

Wide variety of "Green" Recycled yarns solution is available from CEL in Mono, Flat yarns, DTY, ATY & POY, Denier range from 20 d - 300 d in Raw Whites & Dope Dyed Black.

Responsible fashion starts with the right fabric,. Century Enka's eco-friendly range is all about creating fashionable clothing with low environmental impact. These products are made by recycling of yarn & polymer waste accumulated during production but with the same purity and performance characteristics as virgin quality nylon. Additionally production of dope-dyed yarns, i.e. coloration at spinning stage itself, further helps in saving water and reducing dyeing related pollution.

FEATURES:

- Soft feel
- Comfort
- Environment friendly
- Moisture management

USAGE:

Eco-green products can be used in both knits & woven. Usage is found in tops, bottoms, kids wear & home furnishing etc.



POLYAMIDE BLENDS

Customised Nylon with blends of "intimate" as well of "continuous filaments" Cotton, Viscose, Modal, Linen & Excel. Denier range 30s Count, 40s count & 140, 200 d & 300 d.

Every yarn has its unique strengths, Blending allows us to achieve desired effects by incorporating the properties and characteristics of various yarns into a single fabric, Adding Polyamide to other yarns helps increase the strength, Sheen, durability and stretch of the fabric.

FEATURES:

- Soft
- Comfort
- Luster
- New Feel of fabric
- Good tenacity
- Durability

USAGE:

Ideally for application in Sarees, Shirting, Suiting, Dresses & Kids wear.

TECHNICAL PROPERTIES OF POLYAMIDE 6 IN COMPARISON WITH OTHER FIBRES			
Properties	Polyamide	Viscose	Polyester
Specific Gravity	1.14	1.52	1.38
Tenacity (Dry) gpd	4.5 - 5.0	2.0 - 2.6	4.2 - 4.5
Tenacity (Wet) gpd	4.1 - 5.0	1.0 - 1.5	4.2 - 4.5
% Elongation	32 - 36	19 - 21	28 - 32
% Moisture Regain	4	13	0.4
% Boiling Water Shrinkage	8 - 10	1.5 - 2.5	5 - 7

QUALITATIVE COMPARISON WITH OTHER FIBRES			
Properties	Polyamide	Viscose	Polyester
Color Fastness	**	*	***
Softness	***	***	*
Brightness	***	***	*
Cover Factor	***	**	*
Runnability	***	*	***
Aesthetic Look	***	***	*
Elasticity	***	*	*
Piling Resistance	***	*	**

TECHNICAL TEXTILES

High Tenacity Nylon 6 yarns are available in wide range starting from 50, 75, 100, 210 d & in Coarse deniers, 420 to 1890 d Products are available in FDY as well as in Air Textured form.

FEATURES:-

- Higher Tenacity
- Durability & Flexibility
- Abrasion Resistance
- Shape Retention
- Light Weight
- Stretch

USAGE:-

Our high tenacity yarns Application areas are Belting, Parachutes, Ropes and Twines, Industrial Wear, Cords, Tyres, Fishnets and Carpets





OEKO-TEX®
CONFIDENCE IN TEXTILES
STANDARD 100
16.HIN.81409 HOHENSTEIN HTTI



ISO 14001 : 2015

ISO 9001 : 2015

ISO 45001 : 2018



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