



Garden*

GARDEN SILK MILLS PVT. LTD.

Spinning performance. Delivering precision.

Advanced polyester yarn solutions engineered
for quality, consistency and versatility.





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About GSMPL

Garden Silk Mills Pvt. Ltd. (GSMPL) is one of India's leading integrated polyester textile companies, backed by the strength of MCPI Private Limited and The Chatterjee Group (TCG). With decades of industry experience and a strong legacy, GSMPL has built a reputation for delivering high-quality polyester products across the textile value chain.

Driven by innovation, advanced spinning technology, operational excellence, and customer-centricity, GSMPL serves domestic and global markets with reliable, high-performance yarn solutions.

Our Integrated Strength

GSMPL operates with a fully integrated manufacturing ecosystem, from polyester chips to yarn production, ensuring complete control over quality, consistency, and supply.

This integration enables



Consistent product performance



Efficient production cycles



Scalable manufacturing capabilities



Reliable supply across product categories

Technology and Manufacturing Excellence

Our manufacturing facilities feature advanced spinning technologies and globally benchmarked machinery, including a 272 TPD FDY plant with Oerlikon Barmag Wings Plus winders.

The Jolwa facility in Surat is a fully integrated polyester complex with installed capacity of 1630 TPD in polymerization and 850 TPD in Spinning, covering the entire value chain from PET chips to filament yarns. Equipped with modern POY/FDY spinning, texturizing, and warp draw systems using Barmag and TMT technologies, it produces a wide range of yarns including POY, FDY, DTY, ATY, ACY, and specialty yarns such as Cationic, BSY, Dope Dyed yarns, etc.

Strong in-house R&D, a Centre of Excellence, and robust testing ensure continuous innovation, quality control, efficient logistics, and sustainable operations.



Why Choose GSMPL Yarns



Consistent Quality

End-to-end control ensures reliability across batches



Advanced Technology

Modern infrastructure for superior yarn performance



Wide Product Range

From core yarns to specialized variants



Customization Capability

Tailored solutions for diverse applications



Trusted Legacy

Decades of experience across textile markets



Yarn Portfolio Overview

GSMPL offers a comprehensive range of polyester yarns designed to support a wide spectrum of textile applications, home furnishings and industrial uses.

Our portfolio combines high-volume core products with value-added specialty yarns, enabling flexibility, performance, and innovation across applications.



Partially Oriented Yarn (POY)

POY serves as the foundation for further texturizing and processing, offering excellent uniformity and processing stability.

Applications

DTY and ATY production, warp draw beams for sizing and knitting, and industrial yarn manufacturing.

Key Features



Consistent denier and filament quality



High processability



Suitable for downstream texturizing



Regular Product Range - POY			
Product	Lustre	Denier	Filaments
Regular Texturizing	Semi-dull	48-530	14/36/48/72
	Bright	75-360	36/48/72/96
Micro Denier	Semi-dull	104, 110, 117, 121, 125, 135, 142, 150, 335	72/96/144
Draw Warping/ Draw	Semi-dull	95	100
Draw Warping/ Draw Air Texturizing	Bright	75, 118	36
	Semi-dull	49, 75, 118, 160, 165, 210, 235, 245, 335, 360, 450	14, 36, 72, 96, 144

Specialty Product Range - POY			
Product	Lustre	Denier	Filaments
Normal Texturizing	Cationic - Bright	50, 75, 129, 150, 165, 235, 245	36/72
	Dope Dyed Black	245, 340, 348, 356, 525	36/48/96/100
	Dope Dyed Colors	51, 130, 175, 250	14/34/36/48/72

Fully Drawn Yarn (FDY)

FDY yarns from GSMPL are engineered for superior strength, smoothness, and uniformity, making them ideal for high-quality fabric production.

Applications

Woven and knitted apparel, home furnishing, technical and industrial uses.

Key Features



Excellent tenacity and elongation



Smooth finish and dye uniformity



Wide denier and filament range



Circular Knitting/Twisting/Weaving				
Regular FDY				Specialty FDY
Product Category	Bright Yarns	Semi-dull Yarns	Dope Dyed Yarns	Cationic Dyeable Yarns
Product Range	30D to 150D	30D to 300D	30D to 75D	30D to 110D

Warp Knitting			
Regular FDY			Specialty FDY
Product Category	Bright Yarns	Semi-dull Yarns	Cationic Dyeable Yarns
Product Range	50/12, 50/36	30D to 300D	40D to 50D

Sizing			
Regular FDY			Specialty FDY
Product Category	Bright Yarns	Semi-dull Yarns	Cationic Dyeable Yarns
Product Range	22D to 68D, 6F/12F/36F	30D to 298D	30D/12F, 48D/36F

Major Product Categories	Product Range
Bright	20D to 150D, 6F to 48F
Semi-dull	30D to 300D, 14F to 96F
Dope Dyed	30D to 75D, 36F
Cationic Dyeable	22D to 110D, 6F to 36F

Draw Textured Yarn (DTY)

DTY yarns offer enhanced bulk, elasticity, and texture, providing versatility for a wide range of fabric applications.

— Key Features



High bulk and stretch properties



Soft texture and durability



Controlled crimp characteristics

Applications

Woven and knitted apparel, home furnishing, and technical textiles.



Regular Product Range - DTY				
Lustre	Denier	Ply	Filaments	Type
Bright	50-150	01	36/72	NIM
Semi-dull	30-450	01/02	34-72-144	NIM/LIM/IM/HIM
Black	150-200-300-450	01/02	48-72-100	NIM/LIM/IM/HIM
CD DTY	80, 150	01/02	36-72	NIM/LIM/IM/HIM

Specialty Product Range - DTY			
Lustre	Denier	Ply	Filaments
Bright	60, 100 NSY	01	72

Apparel Applications	Non-apparel Applications
Sarees	Elastic Tapes
Dress Materials	Upholstery
Shirting	Furnishing
Suiting	Lamination
Denim	Label
Dhoti	Curtains
Socks	Beddings

Air Textured Yarn (ATY)

ATY yarns are designed for specialized applications requiring unique texture, softness, and functional performance.

Key Features



Natural fibre-like feel



Enhanced bulk and coverage



Suitable for decorative and technical applications

Applications

Apparel, home furnishing and technical textiles.



Regular Product Range - ATY				
Lustre	Denier	Ply	Filaments	Type
Bright	45-450	01/02	36/72/144	Air Tex
Semi-dull	40-500	01/02	14 to 144	Air Tex
Bright	60-450	01/02	36/72/144/ 192	Slub

Specialty Product Range - ATY				
Lustre	Denier	Ply	Filaments	Type
Bright	110	01	72	Vichitra



Sizing

Sizing is a preparatory process in textile manufacturing where a protective coating (usually resin and acrylic-based) is applied to warp yarns. This process strengthens the yarn and prepares it for smooth weaving.

Key Features

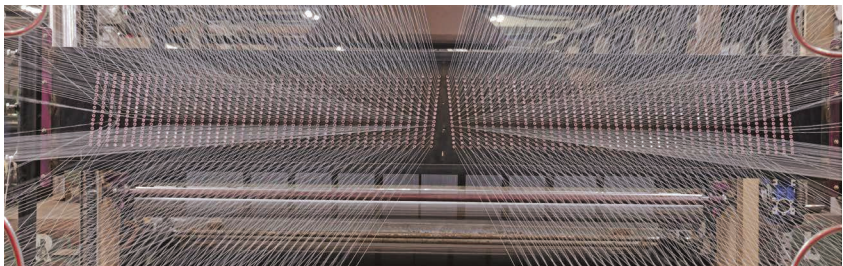
It increases yarn strength, improves smoothness, and reduces friction during weaving. This helps prevent yarn breakage, enhances efficiency, and ensures better fabric quality.

Applications

Sized beams are used in technical textiles, home textiles, garment fabrics, and very low GSM premium fabrics.

Regular Product Range - Sizing			
Product	Lustre	Denier	Filaments
Weaving application	Semi-dull	30-150	14/36/48/72/96
	Bright	30-150	14/36/48/72/96

Specialty Product Range - Sizing			
Product	Lustre	Denier	Filaments
Weaving application	Cationic, Bright	50, 100	36/48
	BSY	50, 80, 130	48/72
	Dope Dyed Black	50, 80	12/36/72



Innovative Specialty Yarns

GSMPL's specialty yarn portfolio is designed to meet evolving industry needs with performance-driven innovation.

Specialty Yarn Range

- * Cationic Yarns
- * Deep Dyeable Cationic Yarns
- * Bi-Shrinkage Yarns (BSY/GSSY)
- * Trilobal Yarns
- * Sparkle Yarns
- * Dope Dyed Yarns

Customized solutions are developed to meet specific customer requirements across applications and performance parameters.



Centre of Excellence (CoE)

The Centre of Excellence (CoE) at Garden Silk Mills Pvt. Ltd., established on 14 June 2025, focuses on developing innovative products and enhancing existing ones with added functional value.

In collaboration with the Indian Institute of Technology Delhi, the CoE advances research in sustainable polyester processing using natural dyes and high-performance filaments from recycled waste, contributing to sustainable growth.

Quality Assurance & Certifications

Quality is embedded across every stage of production. GSMPL follows stringent quality control processes supported by advanced testing infrastructure.

Our systems ensure consistency, reliability, and compliance with global standards.



Sustainable Manufacturing Practices

GSMPL is committed to responsible manufacturing through efficient resource utilization and environmentally conscious processes.

Key initiatives include

- * Reduced waste generation
- * Optimized resource consumption
- * Process efficiency improvement

Renewable Energy in Operations

GSMPL is progressively integrating a hybrid renewable energy mix of wind and solar into its operations to reduce environmental impact and improve energy efficiency.

This transition supports long-term sustainability goals while maintaining operational excellence.

Towards a Zero-carbon Future

GSMPL is aligned with global sustainability standards and is actively working towards reducing carbon emissions across its operations.

Our roadmap focuses on

- * Emission reduction initiatives
- * Sustainable sourcing
- * Energy-efficient processes





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