



THREAD



NINGBO MH SINCE 1999



About Us - MH Thread Manufacturing Center

MH Thread Manufacturing Center is one of the largest and most advanced facilities dedicated to sewing and embroidery thread production. With over 14 years of experience, our center spans 200,000 m², houses 1,000 skilled workers, and operates with state-of-the-art machinery and rigorous quality control systems.

We produce 3,000 tons of sewing thread and 500 tons of embroidery thread monthly, serving over 1,000 satisfied customers worldwide. MH threads are trusted for their stable quality, consistent performance, and competitive pricing—helping clients succeed across apparel, home textiles, packaging, and industrial sectors.

Production Strength

At MH, we manage the entire production process in-house—from yarn spinning and dyeing to winding and packaging—allowing us to maintain strict control over quality and lead time. We offer a full range of threads including:

- Spun Polyester Sewing Thread
- Core-Spun Polyester Sewing Thread
- Bonded Nylon Sewing Thread
- Waxed Polyester Sewing Thread
- Polyester Embroidery Thread
- Rayon Embroidery Thread





Quality is our commitment. MH operates an in-house testing lab with over 50 advanced devices, ensuring all products meet the highest standards for durability, colorfastness, and environmental safety.

Our facilities are certified by:

- ISO 9001 (Quality Management)
- ISO 14001 (Environmental Management)
- ISO 45001 (Occupational Health & Safety)
- OEKO-TEX Standard 100
- GRS (Global Recycled Standard)

Green Manufacturing

MH are also deeply committed to sustainability, equipped with a dedicated sewage treatment plant and water recycling system to minimize our environmental impact and reduce energy consumption.

Smart Logistics & Global Support

MH's intelligent warehouse features 26,000 storage spaces and automated logistics, improving delivery efficiency by 70%. We ensure fast, accurate, and dependable shipments for customers around the globe.

With 56 local sales branches, our global service team provides timely support, customized solutions, and reliable after-sales service—ensuring that customers feel confident and cared for at every step.

Your Reliable Thread Partner

At MH, we're more than a manufacturer—we are a long-term strategic partner. Whether you're looking for large-volume supply, consistent quality, or tailored service, MH delivers with integrity, capacity, and care. Buy with confidence. Choose MH.





Driving Sustainability Through Clean, Efficient Production

Committed to Carbon Reduction and Green Manufacturing

MH Thread Factory is committed to energy efficiency, emission reduction, and sustainable production. We've installed an 8MW solar power system, achieved 100% recycling of cooling and condensate water in dyeing, and implemented waste heat recovery across operations.

Real-time boiler wastewater monitoring and the extensive use of eco-friendly materials further reflect our dedication to environmental responsibility.

Through ongoing innovation and smart management, we continue to significantly reduce our carbon footprint—delivering quality threads with a lighter impact on the planet.



Exhaust Gas Treatment System



Industrial Rooftop Solar Panels



Wastewater Purification and Treatment System



Waste Heat Recovery and Reuse System



Quality Reliable Threads Since 1999

Since its founding in 1999, MH has remained committed to delivering a full range of garment accessory products to global customers—with competitive pricing, reliable quality, and on-time delivery at the core of everything we do. We believe every product and service reflects the trust of our customers. That's why “creating value for customers” is not just a principle—it's part of who we are. With deep roots in the apparel accessories industry, MH continues to grow through dedication and integrity.

MH sewing thread and embroidery thread factories are certified by the ISO 9001 Quality Management System and OEKO-TEX® Standard 100. We place strong emphasis on technological advancement and environmental responsibility, ensuring high-quality products manufactured through sustainable practices.



GRS Certificate



Oeko-Tex Certificate for Polyester Sewing Thread



Oeko-Tex Certificate for Recycled Polyester Sewing Thread



Oeko-Tex Certificate for Embroidery Thread



GB/T 19001-2016/ISO 9001:2015



GB/T 24001-2016/ISO 14001:2015



GB/T 45001-2020/ISO 45001:2018

Polyester Sewing Thread

Crafted from high-quality polyester staple fibers arranged in a parallel structure and tightly twisted, this versatile thread is typically available in 2-ply and 3-ply options. It is the most commonly used sewing thread across industries.



Polyester Sewing Thread



Features

- High tensile strength
- Excellent abrasion resistance
- Superior dimensional stability
- Resistant to UV rays and chemicals
- Smooth processing and consistent performance
- Available in a wide range of vibrant colors

Specifications

Counts: 20S/2, 20S/3, 30S/2, 30S/3, 40S/2, 40S/3, 50S/2, 50S/3, 60S/2, 60S/3, 80S/2

Applications

Ideal for a variety of garments and textile products, including:

- Shirts and fashion apparel
- Lingerie, swimwear, and loungewear
- Denim, sportswear, and workwear
- Leather goods and home textiles

Thread type and size can be customized based on fabric type, thickness, weave, stitching style, and sewing method or machine.

Technical Data

Tex	Tickets Size(TKT)	Count	StrengthcN±3%	Elongation %	Recommended Needle Size	
					Singer	Metric
60	50	20S/2	2124	10-16	15-18	90-110
90	35	20S/3	3540	11-16	17-20	100-120
40	75	30S/2	1379	10-15	11-14	75-90
60	50	30S/3	2245	11-16	15-18	90-110
30	120	40S/2	1050	10-15	10-12	70-80
45	70	40S/3	1642	10-15	11-14	75-90
24	140	50S/2	850	9-14	9-11	65-75
36	90	50S/3	1309	10-15	11-14	75-90
20	160	60S/2	666	9-14	8-10	60-70
30	120	60S/3	1030	10-15	11-14	75-90



100% Recycled Polyester Sewing Thread

Made from 100% recycled polyester, this eco-friendly sewing thread is designed with sustainability in mind. The entire production process minimizes environmental impact while maintaining high-quality performance.



Features

- Made from certified eco-friendly materials
- Green manufacturing process
- Excellent resistance to abrasion and chemicals
- Certified by OEKO-TEX and GRS(Global Recycled Standard)

Applications

- Apparel – Sustainable fashion, sportswear, and outdoor wear
- Home Textiles – Eco-friendly curtains, bedding, and upholstery
- Outdoor Gear – Recycled tents, backpacks, and accessories
- Automotive Interiors – Car seats and interior fabrics
- Industrial Use – Eco-conscious protective clothing and industrial textiles

Certifications

OEKO-TEX® -Certified free from harmful substances—safe for both people and the environment.

GRS (Global Recycled Standard) -Made from verified recycled materials and produced under strict environmental and social standards.

Technical Data

Tex	Tickets Size(TKT)	Count	StrengthcN±3%	Elongation %	Recommended	Needle Size
					Singer	Metric
60	50	20S/2	2124	10-16	15-18	90-110
90	35	20S/3	3540	11-16	17-20	100-120
40	75	30S/2	1379	10-15	11-14	75-90
60	50	30S/3	2245	11-16	15-18	90-110
30	120	40S/2	1050	10-15	10-12	70-80
45	70	40S/3	1642	10-15	11-14	75-90
30	120	60S/3	1030	10-15	11-14	75-90





Anti-Phenolic Yellowing Polyester Sewing Thread

Standard polyester threads can yellow when exposed to phenolic compounds found in plastics, rubber additives, or in high-heat, high-humidity environments. MH Anti-Phenolic Yellowing Thread is specially engineered with advanced stabilizers to resist such exposure, ensuring long-term color integrity and appearance.

Features

- Resistant to phenolic yellowing
- Excellent aging resistance
- Superior long-term color stability

Applications

- Ideal for products requiring high colorfastness and long-lasting brightness:
- Luxury Apparel – White and light-colored suits, bridal gowns, and formalwear
 - Home Textiles – Light-colored bedding, curtains, and upholstery
 - Medical Textiles – Hospital sheets, surgical gowns, and uniforms
 - Sportswear – Light-colored activewear and athletic footwear
 - Industrial Use – Technical textiles demanding reliable color retention

Technical Data

Tex	Tickets Size (TKT)	Count	Strength cN±3%	Elongation %	Applications
30	120	40S/2	1050	10-15	Lightweight Premium Apparel
30	120	60S/3	1030	10-15	Lightweight Premium Apparel
40	75	30S/2	1379	10-15	Home Furnishings
90	35	20S/3	3540	11-16	Medical Textiles



Water-Proof Sewing Thread

This thread is treated with a waterproofing agent that penetrates deep into the fibers, delivering long-lasting water resistance. It effectively prevents moisture absorption, ensuring strength and durability in wet or humid environments.

Features

- Superior waterproof performance
- Low shrinkage for stable stitching
- High tensile strength and abrasion resistance
- Resistant to chemicals and corrosion

Applications

Perfect for products that require water resistance and durability:

- Outdoor Gear – Tents, umbrellas, and patio furniture
- Waterproof Apparel – Raincoats, jackets, and hiking wear
- Marine Equipment – Sail covers, waterproof bags, and life vests
- Sports Gear – Waterproof backpacks and athletic footwear
- Industrial Use – Protective clothing and waterproof technical fabrics

Technical Data

Tex	Tickets Size (TKT)	Count	Strength cN±3%	Elongation %	Applications
30	120	40S/2	1050	10-15	Lightweight waterproof apparel
30	120	60S/3	1030	10-15	Waterproof home furnishings
40	75	30S/2	1379	10-15	Outdoor waterproof gear
90	35	20S/3	3540	11-16	Waterproof backpacks and tents
150	20	12S/3	5010	8-13	Industrial waterproof applications



Water-Proof Sewing Thread



Normal Sewing Thread

Anti-UV Polyester Sewing Thread

Engineered with UV stabilizers, this thread effectively absorbs and reflects ultraviolet rays—minimizing damage from sun exposure. It resists aging, fading, and strength loss, making it ideal for outdoor and high-UV environments where long-term performance is essential.



Features

- Excellent UV resistance for long-lasting durability
- High tensile strength and abrasion resistance
- Resistant to chemicals and corrosion
- Superior color stability and fade resistance

Applications

Ideal for sun-exposed and outdoor applications:

- Outdoor Gear – Tents, sunshades, and outdoor furniture
- Automotive Interiors – Seat covers, headliners, and upholstery
- Sports Equipment – Backpacks and athletic footwear
- Industrial Use – UV-resistant protective wear and technical fabrics

Technical Data

Tex	Tickets Size (TKT)	Count	Strength cN±3%	Elongation %	Applications
30	120	40S/2	1050	10-15	Lightweight Sun Protection Apparel & Te
30	120	60S/3	1030	10-15	Lightweight Sun Protection Apparel & Te
40	75	30S/2	1379	10-15	Compact Backpacks & Sunshades
90	35	20S/3	3540	11-16	Automotive Seats & Canvas Products
150	20	12S/3	5010	8-13	Heavy-Duty Protective Gear & Industrial

Technical Data

UPF Range	Protection classification	Ultraviolet transmittance(%)	UPF Identification
15-24	good	6.7-4.2	15, 20
25-39	Very good	4.1-2.6	25, 30, 35
40-50,50+	excellent	≤2.5	40, 45, 50, 50+



Aramid Fire-Retardant Sewing Thread

Made from high-performance aramid fibers, this thread delivers exceptional flame and heat resistance. It withstands continuous exposure to temperatures up to 220°C, short-term peaks of 300°C, and begins carbonizing around 400°C—decomposing only above 500°C. Non-dripping and self-extinguishing when removed from flame, it offers enhanced safety in critical applications.

Features

- Flame Resistant – LOI >28%, non-combustible, self-extinguishing, and no dripping
- High-Temperature Endurance – Continuous use at 220°C; short bursts up to 300°C; carbonizes at 400°C
- Electrical Insulation – Dielectric strength up to 100 kV/mm

Applications

Ideal for extreme environments requiring thermal, fire, or radiation protection:

- Fire & Safety Gear – Firefighter suits, thermal-blocking apparel
- Radiation Protection – Shields against α , β , and X-rays (nuclear industry)
- Industrial High-Temp Use – Filter bags for flue gas filtration in power plants and incinerators
- Consumer Safety – Flame-retardant curtains, mattresses, and fire blankets

Technical Data

Item		Index
Color fastness	light	ISO 105-B02 Grade 3-4
	wash	ISO 105-C01 Grade 3-4
	rubbing	ISO 105-X12 Grade 3-4
Tex	Count	Strengthc N±3%
90	20S/3	2400
75	24S/3	2000
60	30S/3	1550
50	36S/3	1300
30	40S/2	730
45	40S/3	1150
40	45S/3	1000
35	50S/3	900



Water-Soluble Sewing Thread

Made from polyvinyl alcohol (PVA) fibers, this specialized thread dissolves completely in water at specific temperatures, leaving no residue behind. The dissolution point can be customized according to different formulas and production requirements, making it ideal for temporary stitching and special-purpose applications.

Applications

- Temporary Stitching & Positioning – Ideal for garment fitting, fabric alignment, and basting. No need for manual thread removal, reducing the risk of fabric damage.
- Fishing Gear – Used in bait nets that dissolve naturally in water, leaving no trace.
- Embroidery & Decorative Work – Perfect for applique, patchwork, pleats, pockets, and label placement. Disappears in water, ensuring a clean finish with no leftover marks.

Features

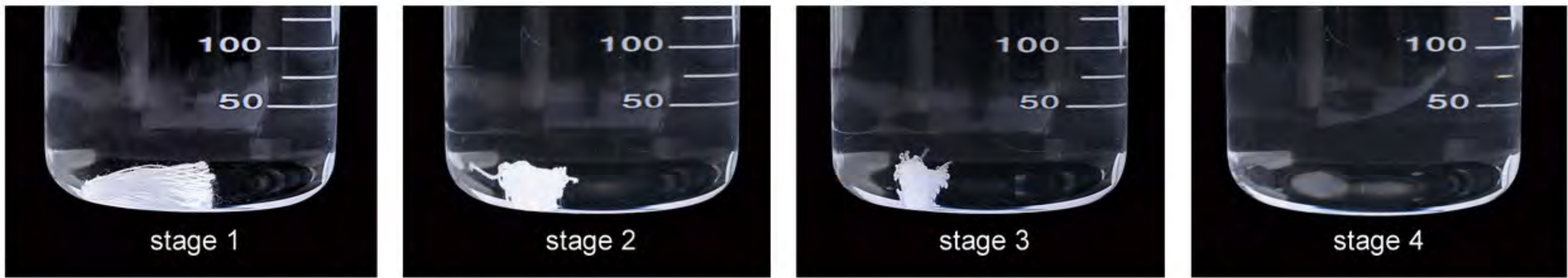
- Instant Removal – Dissolves quickly in water for effortless removal
- Residue-Free – Leaves no marks or damage on fabrics
- Time-Saving – Enables direct stitching without re-threading; ideal for delicate fabrics like wool and silk
- Eco-Friendly – Breaks down in water with no environmental impact

Usage Instructions

- Avoid Moisture Exposure – Keep away from rain or humidity to prevent premature dissolution
- Temperature Guidelines – Threads dissolve at different temperatures; for example, 40°C-rated threads require immersion in 50–60°C water for complete dissolution
- Proper Storage – Store in a sealed, moisture-proof environment to maintain performance and extend shelf life

Technical Data

Dissolution Temperature		Applications	Features
20~30°C	20S/2、40S/2	Fishing net separation, low-temperature washing	Dissolves in cold water, suitable for delicate fabrics
40~60°C	40S/2	Embroidery positioning, temporary sealing of bags	Balances strength with dissolution efficiency



Cotton Sewing Thread

Crafted from high-quality, eco-friendly cotton, this natural sewing thread is ideal for delicate and skin-sensitive applications. It offers a soft touch, breathable structure, and excellent compatibility with lightweight fabrics.

Features

- Eco-Friendly – Made from sustainable, biodegradable cotton
- Soft & Skin-Friendly – Gentle on the skin, perfect for sensitive users
- Breathable & Moisture-Wicking – Helps maintain comfort in wearables
- Natural Appearance – Subtle, organic color tones for a classic look

Applications

Ideal for comfort-focused and lightweight fabric projects:

- Apparel – Babywear, underwear, sleepwear, and other intimate garments
- Home Textiles – Bedsheets, duvet covers, pillowcases, and more
- DIY Projects & Embroidery – Great for handcrafting and creative fabric work

Lightweight Fabrics – Perfect for chiffon, organza, gauze, and similar materials

Technical Data

Tex	Count	Strength cN±3%	Elongation %
59	20S/2	1560	3.5
88.6	20S/3	2400	2.8
39.4	30S/2	950	3.8
29.5	40S/2	750	3.7
44.3	40S/3	1150	3.6
29.5	60S/3	800	3.9





Cotton-Poly Core-Spun Sewing Thread

This premium composite thread features a strong polyester filament core wrapped with soft cotton fibers, created through advanced spinning technology. It combines the strength and durability of polyester with the natural feel and heat resistance of cotton—making it ideal for both high-strength and heat-sensitive sewing applications.

Features

- Soft & Comfortable – Natural cotton surface offers a pleasant hand feel
- High Strength – Reinforced polyester core ensures excellent tensile strength
- Superior Abrasion Resistance – Ideal for long-lasting seams
- Low Elongation – Provides consistent stitching performance
- Wrinkle & Shape Retention – Helps maintain garment structure over time

Applications

Suitable for a wide range of textiles and functional products:

- Apparel – T-shirts, fashion wear, underwear, hats, gloves, and more
- Home Textiles – Bedsheets, pillowcases, curtains, mosquito nets, etc.
- Luggage & Leather Goods – Handbags, suitcases, and accessories
- Automotive Interiors – Seats, seat belts, steering wheel covers
- Outdoor Gear – Backpacks, tents, sunshades, and more

Technical Data

Tex	Tickets Size (TKT)	Count	Strength cN±3%	Elongation %	Recommended Needle Size Singer	Needle Size Metric
24	120	60S/2	1039	17-23	10-14	70-90
40	75	28S/2	1862	18-24	14-18	90-110
60	50	18S/2	2842	17-23	16-19	100-120
60	50	29S/3	3038	17-23	16-19	100-120
80	36	15S/2	3528	18-24	18-21	110-130
105	30	12S/2	3724	17-23	18-21	110-130



Poly-Poly Core-Spun Sewing Thread

This high-performance thread features a polyester filament core wrapped with polyester staple fibers using advanced spinning technology. The dual-layer construction offers the perfect balance of strength, flexibility, and durability—making it ideal for demanding sewing applications.

Features

- High Tensile Strength – 15–20% stronger than regular polyester threads of the same specification
- Excellent Abrasion & Tear Resistance – Withstands friction and mechanical stress
- Heat & Chemical Resistant – Reliable in tough environments
- Low Shrinkage – Maintains seam stability and shape after washing or heat exposure

Applications

Widely used across apparel, home, and industrial sectors:

- Garments – Jeans, sportswear, underwear, and more
- Luggage Manufacturing – Suitcases, travel bags, etc.
- Leather Goods & Footwear – Shoes, belts, and accessories
- Home Textiles – Curtains, sofa covers, cushions, and decorative fabrics
- Industrial Use – Tents, safety belts, and other heavy-duty stitching



Technical Data

Tex	Tickets Size (TKT)	Count	Strength cN±3%	Elongation %	Recommended Needle Size Singer	Metric
18	180	69/2	780	17-22	9-11	65-75
21	150	50/2	980	17-22	9-11	65-75
24	120	45/2	1190	17-22	10-14	70-90
30	100	35/2	1490	17-22	11-14	75-90
40	80	29/2	1780	18-24	11-14	75-90
40	80	45/3	1960	18-24	11-14	75-90
60	50	18/2	3040	18-25	16-19	100-120
60	50	29/3	3530	18-25	16-19	100-120
80	40	15/2	3940	18-25	16-19	100-120
105	30	12/2	4790	18-25	18-21	110-130
120	25	15/3	6080	18-25	19-21	120-140



Bonded Sewing Thread

Bonded sewing thread is created by bonding multiple yarn strands through a special process to prevent fraying or unraveling during use. This construction ensures high durability and consistent stitch quality, especially in heavy-duty applications.

Types-by materia

• Nylon Bonded Thread

Made from nylon 6 or nylon 66 filaments, it offers excellent heat and abrasion resistance. Ideal for sewing extra-thick materials such as automotive seat belts, ABS hard-shell cases, and other heavy-duty items.

• Polyester Bonded Thread

Crafted from high-quality polyester fibers, it features strong resistance to heat, shrinkage, and chemicals. Perfect for footwear, leather goods, bags, and other tough fabrics.

By Bonding Process

Types-by technical

• Inner Bonded Thread

A low-melting-point adhesive yarn is incorporated during twisting. After heating, it forms a soft, color-stable thread with internal bonding.

• Outer Bonded Thread

An adhesive coating is applied externally to bond the yarns, resulting in a stiffer thread with superior abrasion resistance and dimensional stability.

Technical Data

Polyester Bonded Thread

Tickets Size (TKT)	Tex	Denier	Strength cN(±5%)	Elongation %
10	270	840D/3	17640	19-21
13	210	630D/3	13230	19-21
20	135	420D/3	8820	17-19
30	100	300D/3	6300	17-19
40	70	210D/3	4410	16-18
60	50	210D/2	2940	15-17
60	50	150D/3	3150	15-17
80	35	100D/3	2100	14-16

Nylon Bonded Thread

Tickets Size (TKT)	Tex	Denier	Strength cN(±5%)	Elongation %
7	420	1260D/3	30240	22-26
8	350	1050D/3	25200	22-26
10	270	840D/3	20160	22-26
13	210	630D/3	15120	22-26
20	135	420D/3	10080	22-26
30	90	280D/3	6720	22-26
40	69	210D/3	5040	22-26

Features

- Anti-Unraveling – Bonded construction prevents thread separation and breakage during high-stress sewing
 - High Tensile Strength – Made from durable nylon or polyester fibers, ideal for heavy-duty applications
 - Abrasion Resistant – Withstands high-speed sewing and thick material penetration with ease
 - Smooth & Consistent – Even surface ensures clean, professional stitching—perfect for premium products
- Additionally, outer bonded thread offers excellent resistance to water, mildew, and chemicals, making it a reliable choice for outdoor gear and demanding industrial environments.

Applications

Trusted for use in products that demand strength, stability, and a clean finish:

- Bags & Leather Goods – High-end handbags, trolley cases, ABS luggage
- Automotive – Car seats, seat belts, airbags
- Furniture – Heavy fabric stitching on sofas and mattresses
- Footwear – Sports shoes, leather shoes, and safety boots
- Outdoor Gear – Tents, parachutes, canvas products, and more



High Tenacity Sewing Thread

Crafted from high-strength, low-shrinkage polyester or nylon filaments, this thread is processed through precision combining and twisting techniques. It delivers exceptional tensile strength, color fastness, abrasion resistance, and resistance to mildew and chemical corrosion. The smooth, knot-free finish ensures high sewing efficiency and consistent results.



High Tenacity Sewing Thread

Features

- High Tensile Strength – Strong break resistance for heavy-duty applications
- Excellent Abrasion Resistance – Withstands high friction and wear
- Corrosion & Mildew Resistant – Performs reliably in acidic, alkaline, and marine environments

Technical Data

Polyester High-Tenacity Sewing Thread

Tickets Size (TKT)	Tex	Denier	Strength cN(±5%)	Elongation %
10	270	840D/3	17640	19-21
13	210	630D/3	13230	19-21
20	135	420D/3	8820	17-19
30	100	300D/3	6300	17-19
40	70	210D/3	4410	16-18
60	50	210D/2	2940	15-17
60	50	150D/3	3150	15-17
80	35	100D/3	2100	14-16

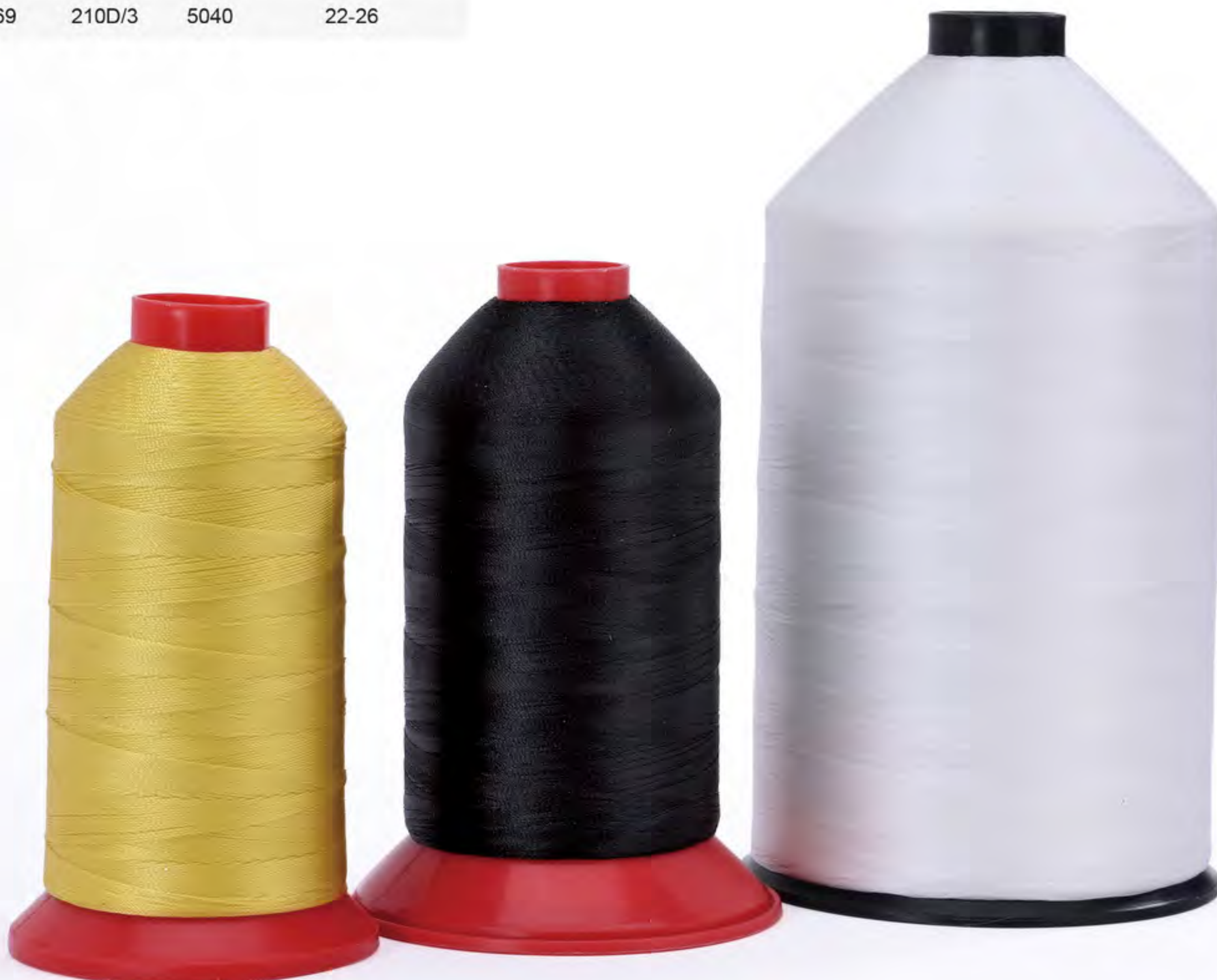
Nylon High-Tenacity Sewing Thread

Tickets Size (TKT)	Tex	Denier	Strength cN(±5%)	Elongation %
7	420	1260D/3	30240	22-26
10	270	840D/3	20160	22-26
13	210	630D/3	15120	22-26
20	135	420D/3	10080	22-26
30	90	280D/3	6720	22-26
40	69	210D/3	5040	22-26

Applications

Designed for a wide range of demanding sewing tasks:

- Apparel – Underwear, shirts, trousers, denim, sportswear
- Leather Goods – Shoes, bags, sofas, accessories
- Bags & Luggage – Backpacks, travel bags, and handbags
- Furniture – Sofas, car seats, mattresses
- Outdoor Gear – Tents, canvas products, fishing nets
- Industrial Use – Bulk bags, construction stitching
- Handicrafts – Kites, toys, beaded curtains, and more



Polyester Braided Thread

Polyester Braided Thread(Also known as leather sewing thread or braided thread)
Crafted by interlacing 8, 12, or 16 yarn strands using precision braiding machines, this thread is available in flat or round profiles with distinct texture and defined surface patterns. Performance can be enhanced with core reinforcement, density adjustments, or wax coating—offering strength, smoother glide, and decorative appeal. It is ideal for leatherwork, upholstery, and visible stitching applications.



Features

- High Load Capacity – Braided structure delivers superior tensile strength, perfect for thick leather, canvas, and heavy-duty materials
- Distinct Texture – 3D surface patterns add both visual appeal and structural integrity to exposed seams
- Abrasion Resistant – Densely woven to withstand friction and extend durability in long-term use

Applications

- Leather Goods – Leather shoes, jackets, gloves, belts, and accessories
- Bags & Luggage – Handbags, suitcases, backpacks, and travel gear
- Furniture Upholstery – Ideal for stitching on leather or fabric sofas and chairs
- Industrial Use – Automotive interiors, airbags, tents, and more
- Decorative Stitching – For stylish seams on garments, shoes, and hats

Technical Data

Diameter	Denier	Strength Kg±3%	Elongation %
0.6MM	120D/1x16	13.40	22-24
0.8MM	150D/1x16	16.30	24-26
1.0MM	210D/1x16	22.10	26-28
1.05MM	250D/1x16	25.20	27-29
1.1MM	300D/1x16	28.30	27-29
1.2MM	420D/1x16	41.60	27-29



Polyester Waxed Thread

Features

Waxed thread is coated with a layer of wax to create a smooth surface, minimize fuzzing, and enhance resistance to water and corrosion. Each type offers unique benefits tailored to specific applications.



Polyester Braided Waxed Thread

- Excellent anti-slip properties for stable, secure stitching
- Produces smooth, clean, and uniform seams
- Ideal for decorative or exposed stitching in leather goods and crafts

Polyester Waxed Sewing Thread

- Smooth and consistent for high-speed industrial sewing
- High tensile strength with outstanding abrasion resistance
- Good heat resistance for demanding environments

Polyester Round Waxed Thread

- Strong tensile strength for heavy-duty or hand-stitched projects
- Excellent abrasion resistance for long-lasting seams
- Highly flexible, easy to bend and knot—perfect for intricate craftwork



Technical Data

Polyester Braided Waxed Thread

Diameter	Denier	Strength Kg±3%	Elongation %	Wax Content %
0.6MM	120D/1x16	12.5	17-19%	13-15%
0.8MM	150D/1x16	15.2	17-19%	13-15%
1.0MM	210D/1x16	20.30	17-19%	13-15%
1.05MM	250D/1x16	24.5	17-19%	13-15%
1.1MM	300D/1x16	26.20	17-19%	13-15%
1.2MM	420D/1x16	40	17-19%	13-15%

Polyester Waxed Sewing Thread

Diameter	Denier	Strength Kg±3%	Elongation %	Wax Content %
0.6MM	120D/1x16	12.5	20-24%	7-9%
0.8MM	150D/1x16	15.3	20-24%	7-9%
1.0MM	210D/1x16	20.5	20-24%	7-9%

Polyester Round Waxed Thread

Diameter	Denier	Strength Kg±3%	Elongation %	Wax Content %
0.42MM	150D/3	3.2	20-22%	10-13%
0.4MM	210D/2	2.95	20-22%	10-13%
0.5MM	210D/3	4.5	21-23%	10-13%
0.52MM	300D/3	6	21-23%	10-13%
0.53MM	210D/4	5.75	21-23%	10-13%
0.65MM	210D/6	8.54	21-23%	10-13%
0.75MM	210D/9	12.2	24-26%	10-13%
0.85MM	210D/12	14.5	24-26%	10-13%

Polyester Textured Yarn

Polyester Textured Yarn(Also known as Overlocking Thread)

Polyester Textured Yarn is specially designed for overlocking and edge-finishing processes. It helps prevent fabric edges from fraying while providing a smooth, professional finish. Its balanced elasticity and softness make it ideal for a wide range of industrial and household sewing tasks.

Features

- Moderate elasticity with excellent stitch stability
- High abrasion resistance for long-lasting use
- Maintains shape and resists wrinkles
- Resistant to chemicals and weather conditions
- Smooth, consistent sewing performance

Applications

- Edge Finishing for Non-Stretch/Low-Stretch Fabrics – Perfect for cotton, polyester, and blended fabrics with minimal stretch
- Reinforced Stitching – Ideal for cuffs, hems, and pocket edges that require added stability
- Industrial & Household Sewing – Widely used in garment production, home textiles, and DIY sewing projects
- Specialized Needs – Suitable for durable, wrinkle-resistant items such as workwear, uniforms, and hotel linens

Technical Data

Tex	Denier	Strength cN(±3%)	Elongation %
16.7	150D/1	650	21-23
17.8	160D/1	700	21-23
21.1	190D/1	750	21-23
22.2	200D/1	850	21-23
33.3	300D/1	1250	21-23





Nylon Textured Yarn

Nylon Textured Yarn(also known as Nylon High-Elastic Overlocking Thread)

Made from high-quality nylon (polyamide fibers), this overlocking thread is specifically designed for stretch fabrics and overlock stitching. It offers excellent elasticity, smooth performance, and long-lasting durability—perfect for garments that require flexibility and resilience.

Features

- Superior Elasticity & Recovery – Maintains shape and stretch over time, extending garment life
- High Strength & Abrasion Resistance – Withstands frequent movement and wear
- Chemical & Weather Resistance – Durable in various environments and conditions
- Smooth Sewing Performance – Ensures even, snag-free stitching

Applications

- Elastic Apparel – Sportswear, yoga pants, swimsuits, underwear, and other stretch garments
- Edging & Decorative Stitching – Ideal for cuffs, collars, hems, and stylish trims
- Industrial & Specialty Use – Automotive seat cushions, fitness equipment covers, elastic bandages, etc.

Technical Data

Tex	Denier	Strength cN(±3%)	Elongation %
15.6	70D/2	650	41-45
22.2	100D/2	950	41-45
31.1	140D/2	1350	41-45



Polyester Embroidery Thread

Made from high-strength polyester filament, this embroidery thread offers outstanding color fastness, wash resistance, and durability. It performs exceptionally well under frequent washing, sunlight exposure, and friction—making it a reliable choice for both decorative and functional embroidery across various industries.

Features

- **High Strength & Durability:** Resistant to tension and wear. Ideal for high-speed embroidery and long-term usage.
- **Heat & Color Resistant:** Withstands heat and fading, suitable for frequent washing and sun exposure.
- **Shape Stability:** Maintains structure and resists wrinkling, perfect for 3D and intricate designs.
- **Adjustable Sheen:** Bright finish, available in matte or glossy to enhance visual appeal.



Polyester Embroidery Thread

Technical Data

	Metrics	Parameters
Breaking Strength (cN, avg of 10 tests)	120D/2 150D/2	≥ 1200 None
Recommended Embroidery Speed	RPM	≤ 1200
Color fastness to Washing at 60°C	Staining on white cloth	≥ Grade 4
Color fastness to Rubbing	Dry & Wet	Grade 3-4
Color Difference (by Spectrophotometer)	By card or sample By variation within spool (or box)	Grade 4-4.5 ≥ Grade 4
Weight Deviation Rate (by box, %)	≤30g	≤ 3
	31-130g	≤ 2
	≥131g	≤ 2
Number of Knots (per spool)	≤1500m	≤ 2
	1501-5000m	≤ 3
	>5001m	One additional air-spliced knot allowed per additional 1000m (rounded up), produced by high-speed winding machine
Oil Content (%)	Average of inner and outer layers	2.5%-3%

Applications

- Apparel – Excellent color retention and wash durability; commonly used in jeans, sportswear, and children's clothing
- Traditional & Formal Wear – Matte finish adds a classic touch; perfect for Hanfu, dresses, and ceremonial garments
- Home Textiles – UV- and wrinkle-resistant; ideal for embroidered curtains, sofa covers, bedding, and more
- Crafts – Vibrant sheen and fine thread control for intricate designs such as wall art, handmade decoration, and DIY embroidery
- Industrial Use – High tensile strength and abrasion resistance make it suitable for automotive interiors, footwear, bags, and other heavy-duty items



Rayon Embroidery Thread

Made from 100% viscose filament yarn, rayon embroidery thread offers the elegant sheen of natural silk with the reliability of synthetic fibers. It features excellent moisture absorption, anti-static performance, and a smooth, luxurious texture—perfect for high-quality embroidery in fashion, decoration, and crafts.

Features

- Silk-like Shine & Smoothness – Creates elegant, delicate embroidery effects with a soft hand feel
- Brilliant Color Performance – Excellent dyeability delivers vivid, multi-tonal gradients for intricate designs

Technical Data

	Metrics	Parameters
Breaking Strength (cN, avg of 10 tests)	120D/2	≥480
	150D/2	≥600
	300D/1	≥620
	300D/2	≥1200
	300D/2*3	≥3800
	600D/1	≥1200
Recommended Embroidery Speed	RPM	≤ 1000
Color fastness to Washing at 60°C	Staining on white cloth	≥Grade 4
Color fastness to Rubbing	Dry & Wet	Grade 3-4
Color Difference (by Spectrophotometer)	By card or sample	Grade 4–4.5
	By variation within spool (or box)	≥ Grade 4
Weight Deviation Rate (by box, %)	≤30g	≤ 3
	31–130g	≤ 2
	≥131g	≤ 2
Number of Knots (per spool)	≤1500m	≤ 2
	1501–5000m	≤ 3
	>5001m	One additional air-spliced knot allowed per additional 1000m
Oil Content (%)	Average of inner and outer layers	3%





Rayon Embroidery Thread

- Apparel – High luster enhances women’s and children’s clothing, as well as traditional attire such as Hanfu and cheongsam
- Home Textiles – Ideal for decorative items like curtains, cushions, and table linens
- Crafts – Rich, vibrant colors make it perfect for embroidered artwork and festive decorations
- Industrial Use – Fade-resistant and eye-catching, great for specialty embroidery labels, logos, and stage props



Polyester Bag Closing Thread

Bag Closing Thread is a high-strength sewing thread specifically engineered for closing woven, paper, burlap, and bulk bags. Made primarily from durable synthetic fibers—most commonly polyester—it is ideal for demanding industrial applications. Known for its excellent tensile strength, durability, and resistance to breakage, it ensures secure, reliable bag sealing across various sectors.

Features

- High Strength – Withstands heavy tension and resists breakage during transportation, stacking, and handling
- Smooth & Durable – Low-friction surface ensures high sewing speed and consistent stitch quality
- Corrosion-Resistant – Performs well in environments exposed to chemicals and moisture
- Weatherproof – UV- and heat-resistant; maintains performance in outdoor and high-temperature conditions

Applications

- Industrial Packaging – For stitching cement bags, fertilizer bags, and chemical packaging
- Agricultural Use – For closing woven sacks of grain, feed, seeds, and other farm products
- Construction Industry – Ideal for sewing bulk bags used to transport sand, gravel, and heavy building materials
- Food Industry – Used in sealing packaging bags for flour, sugar, salt, rice, and other food items
- Logistics & Transportation – For closing woven and burlap sacks in shipping, storage, and distribution

Technical Data

Tex	Count	StrengthcN±3%	Elongation%
240	10S/4	78	9-11
150	12S/3	76	10-12
200	12S/4	80	10-12
250	12S/5	105	12-14
300	12S/6	126	13-15
180	20S/6	67	12-14
210	20S/7	86	12-14
240	20S/8	92	15-17
270	20S/3*3	92	14-16



Precision · Innovation · Sustainability



Polyester Sewing Thread

Count	Length	Plastic Cone	Package	Carton Size
20S/2	3000Y	4" 2° Tapered	12pcs/box, 10boxes/ctn	60*28.5*44cm
20S/3	3000Y	4" 2° Tapered	6pcs/box, 10boxes/ctn	60*25*32.5cm
30S/2	4000Y	4" 2° Tapered	12pcs/box, 10boxes/ctn	60*27.5*42cm
30S/3	4000Y	4" 2° Tapered	6pcs/box, 10boxes/ctn	60*24.5*32cm
40S/2	3000Y 5000Y	4" 2° Tapered 4" 2° Tapered	12pcs/box, 10boxes/ctn 12pcs/box, 10boxes/ctn	60*23*35cm 60*26.5*41cm
40S/3	4000Y	4" 2° Tapered	12pcs/box, 10boxes/ctn	60*29*45cm
50S/2	5000Y	4" 2° Tapered	12pcs/box, 10boxes/ctn	60*25*38cm
60S/2	4000Y 5000Y	4" 2° Tapered 4" 2° Tapered	12pcs/box, 10boxes/ctn 12pcs/box, 10boxes/ctn	60*23*35cm 60*24*37cm
60S/3	4000Y 5000Y	4" 2° Tapered 4" 2° Tapered	12pcs/box, 10boxes/ctn 12pcs/box, 10boxes/ctn	60*25*38cm 60*26.5*41cm

Dimensions are for reference only; actual carton size may vary due to packing flexibility.

Rayon Embroidery Thread

Spec.	Net. Weight	Plastic Cone/Tube	Package	Carton Size
120D/2	60g	65mm Short Cone – 25g	12pcs/box, 10boxes/ctn	32*21.3*67.5cm
120D/2	72g	50mm Small Cone – 16g	12pcs/box, 10boxes/ctn	49*29.5*26cm
120D/2	86g	65mm Transparent Large Cone – 18g	12pcs/box, 10boxes/ctn	33*22.8*69cm
150D/2	120g	65mm Large Cone – 18g	6pcs/bag, 20bags/ctn	57*33.5*27.5cm
600D/1	170g	5° Black Wide-Mouth Cone – 13g	12pcs/box, 10boxes/ctn	61*27.5*41.5cm

Polyester Embroidery Thread

Spec.	Net. Weight	Plastic Cone/Tube	Package	Carton Size
120D/2	28g	2.4" Cone – 11.5g	25pcs/box, 10boxes/ctn	44.5*22*42cm
120D/2	77g	3" Transparent Small Cone – 9.5g	10pcs/box, 20boxes/ctn	52.5*26*42.5cm
120D/2	85g	65mm Large Cone – 22g	12pcs/box, 10boxes/ctn	33*22.5*69cm
120D/2	140g	65mm Short Cone – 18g	12pcs/box, 10boxes/ctn	61*34.5*28.5cm
150D/2	170g	65mm Large Cone – 24g	12pcs/box, 10boxes/ctn	63*37.5*29cm

Technology Leads, Innovation Driven

As a technology pioneer in the industry, MH Thread Industry Color Matching Center boasts over 40,000 color formulas with a one-time sample accuracy rate exceeding 98%.

The independently developed 1.4Ka cone yarn low bath ratio dyeing technology (1:4) is the first of its kind in China and ranks among the most advanced globally. This breakthrough has increased dyeing efficiency by 40% and achieved a one-time dyeing success rate of over 99.5%, setting a new benchmark for low-water dyeing in China.



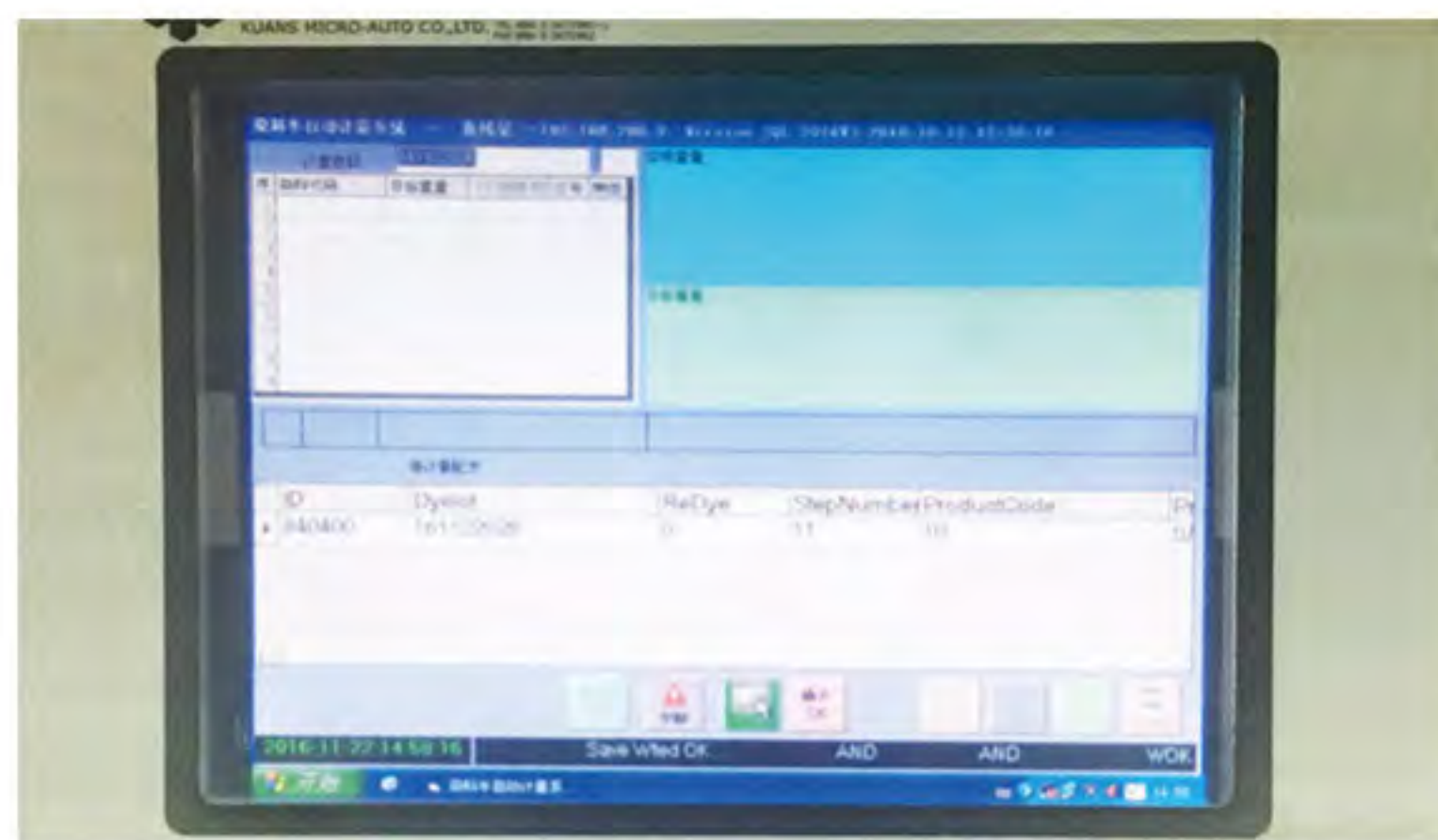
Datacolor Automatic Color Matching System



Auto Liquid Dispensing & Transportation System



Infrared Proof Press



Semi-Automatic Powder Dispensing System

- More than 40000 color matching formulas
- The success rate of color sampling is 98%.



Tube-free Automatic Dispensing System

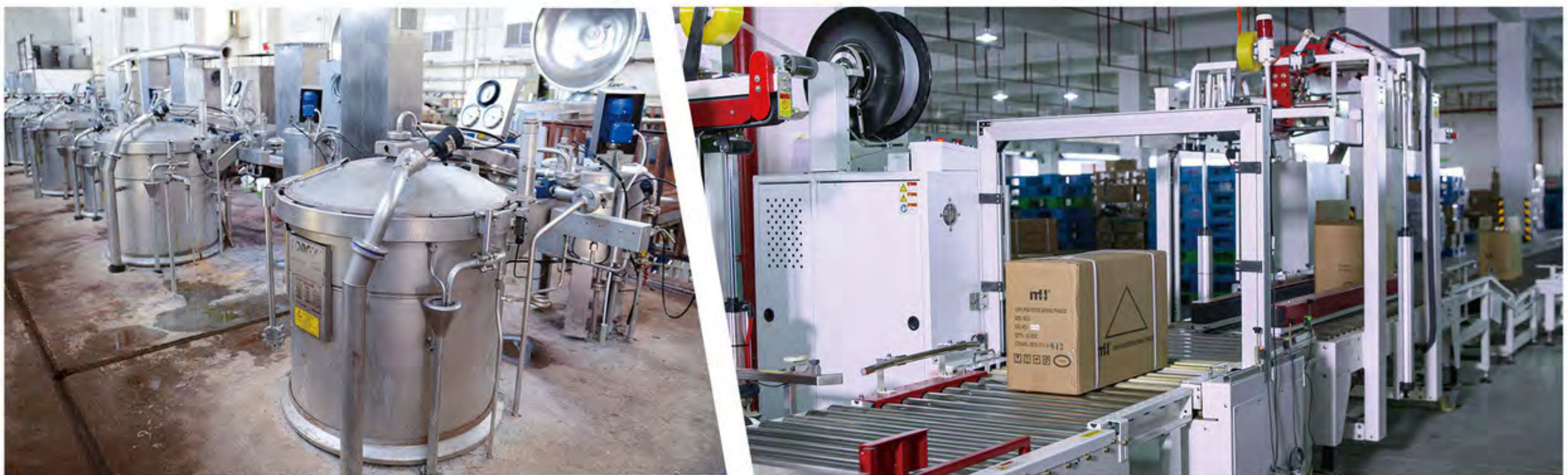
Driven by Intelligence, Defined by Quality

Quality is the Lifeline of MH Thread Factory

At MH thread factory, we uphold quality as MH core value. We've adopted advanced intelligent dyeing systems, fully automated winding machines, and 3D intelligent warehousing solutions from both domestic and international sources. By integrating modern management systems such as WMS, WCS, ERP, and MES, we have achieved full automation, visualization, and intelligent control across the entire production chain—from raw material input, dyeing, winding, forming, packaging, sorting, all the way to logistics. This ensures every product is delivered with consistent, high-quality performance.



SSM TK2-20CT High-speed Precision Winding Machines



Fong's Dyeing Equipment

Automatic Packaging Equipment



Thies Drying Equipment

AGV Robots for Automatic Delivery



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