



Product Catalog

Nantong Rongdu Thread Co., Ltd.



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Rongdu is a professional manufacturer specializing in heavy-duty thread, including continuous filament thread, bonded thread, recycled thread and embroidery thread. We offer a wide range of threads in popular sizes and vivid colors, suitable for various applications including footwear, leather goods, suitcase and bag, apparel, furniture upholstery, mattress, sports equipment, tent, awnings, sails, wire and cable applications, filter fabric and more.

PTT thread is also a key segment of our manufacturing operations, positioning us as a leading PTT thread manufacturer in China. PTT thread is known for its unique combination of properties including resilience, softness, exceptional elasticity and highly stain-resistant. Therefore, it is an ideal choice for active wear, intimate apparel and home textile.

To consistently advance sustainable practices, we are manufacturing PLA yarn and thread in addition to our recycled thread, providing eco-friendly solutions and supporting a circular economy.

Our facility spans nearly 8,000 square meters and boasts an annual output of approximately 6,000 tons. With tens of millions of inventory that comes in a number of different sizes, we are always ready with the right thread at your service.



Global Recycled Standard Certification

OEKO-TEX® Standard 100 Certification




Bureau Veritas Consumer Products Services, Inc.
One Distribution Center Circle, Suite #1, Littleton, 01460, Massachusetts, United States

SCOPE CERTIFICATE

Scope Certificate Number BVC-TE-BVCN2212-GRS-2311-10001400-V1.0

Bureau Veritas Consumer Products Services Inc.
certifies that

Nantong Rongdu Thread Co., Ltd.
License Number **TE-BVCN2212**
Group 2, Ziyou Village, Hai'an Town, Hai'an County, Nantong City,
226600 Jiangsu Sheng, China

has been audited and found to be in conformity with the
GLOBAL RECYCLED STANDARD (Version 4.0)

Product categories mentioned below (and further specified in the product appendix) conform with the standard(s):
Greige yarns (PC0030)

Process categories carried out under responsibility of the above mentioned organization for the certified products cover:
Spinning (PR0027); Finishing (PR0012)

This certificate is valid until: 2024-11-06
Audit criteria: Global Recycled Standard V4.0; Content Claim Standard V3.1; Textile Exchange Standards Claims Policy V1.2

Place and Date of Issue United States, 2023-11-07	Certification Body 	Standard 
Anniversary Date: 2023-11-07		
Last Updated: 2023-11-07		

Rajan Kamalanathan
Rajan Kamalanathan

Certification Body Licensed by: Textile Exchange; Licensing Code: CB-BVC
Certification Body Accredited by: The ANSI National Accreditation Board (ANAB); Accreditation Number: 0956
Inspection Body: Bureau Veritas LCIE China Company Limited

This Scope Certificate provides no proof that any goods delivered by its holder are GRS certified. Proof of GRS certification of goods delivered is provided by a valid Transaction Certificate (TC) covering them.
The issuing body may withdraw this certificate before it expires if the declared conformity is no longer guaranteed.
To authenticate this certificate, please visit www.TextileExchange.org/Certificates.

This electronically issued document is the valid original version.

Scope Certificate BVC-TE-BVCN2212-GRS-2311-10001400-V1.0 and License number TE-BVCN2212, page 1 of 3
TE-009-02-03-V4.5 SC Template – BVCP5 – GRS Certificate shall not be reproduced except in full.

Nantong Rongdu Thread Co., Ltd.
No. 81 Chaoyang North Road,
Hai'an County,
Nantong Jiangsu 226602
China



TESTEX AG, Swiss Textile Testing Institute
Gotthardstrasse 61
8002 Zurich
Switzerland

Certificate

OEKO-TEX® STANDARD 100

Nantong Rongdu Thread Co., Ltd.

is granted the OEKO-TEX® STANDARD 100 certification
and the right to use the trademark.

SCOPE
Embroidery thread made of 100% polyester filament,
sewing thread made of 100% polyester filament, sewing
thread made of 100% polyamide filament, all in white
(based on material partly pre-certified according to
OEKO-TEX® STANDARD 100)




STANDARD 100
8J005 220186
TESTEX

PRODUCT CLASS
I (baby articles) - Annex 6

This certificate BJ005 220186 is valid until
15.05.2024.

SUPPORTING DOCUMENTS
 ✓ Test report: BJ005 220186.1
 ✓ Declaration of conformity in accordance with
 EN ISO 17050-1 as required by OEKO-TEX®
 ✓ OEKO-TEX® Terms of Use (ToU)

M. Bachmann
Moltz Bachmann
Managing Director

D. Ajdovic
Dijana Ajdovic
Ecology Team Leader

Further compliance information (REACH, SVHC, POP, PBB401 etc.) can be found on oeko-tex.com/en/ToU.
The certificate is based on the test methods and requirements of the OEKO-TEX® STANDARD 100 that were in force of the time of evaluation.

Zurich, 2023-05-03

OEKO-TEX Service GmbH Genferstrasse 23, CH-8002 Zurich



Bonded Thread

Bonded thread consists of continuous filaments and hot melting material through a twisting and heating process. The bonding technology makes filaments twisting more tough with a uniform finish which prevents the ply ends from unraveling in the reverse direction, which enhances abrasion resistance and facilitates smooth stitching. Moreover, bonding technology improves environmental resistance like heat tolerance, chemical and mildew resistance. Therefore, bonded thread outperforms non-bonded thread in most heavy fabric applications where bonded thread is always the superior choice.

(1) Bonded Polyester Thread

Bonded polyester thread is composed of polyester continuous filaments that are twisted using bonding technology which gives this thread more strength, abrasion resistance and environmental resilience. Therefore, bonded polyester thread is superior for heavy fabric that will be subject to prolonged strong UV rays such as footwear, suitcase and bag, outdoor gear, sports equipment, tents, awnings, sails, automobile covers and so on. Moreover, when it comes to fireman's outfits, parachutes, and rock climbing gear where safety has to be at its utmost highest, the bonded thread must be the first choice.



Specification: Tex35-Tex700; 100D-2000D/2Ply-6Ply

TEX	Ticket	Denier	Strength	Fabric Application
35	80	100D/3	2257 N/mm ²	Light Weight
40	70	135D/3	2998 N/mm ²	
45	60	150D/3	3316 N/mm ²	Medium Weight
70	40	210D/3	4656 N/mm ²	
90	30	250D/3	5503 N/mm ²	
90	30	280D/3	6138 N/mm ²	Heavy Weight
135	20	420D/3	9102 N/mm ²	
150	16	500D/3	10795 N/mm ²	
210	15	630D/3	13547 N/mm ²	
270	10	840D/3	17992 N/mm ²	Ex-Heavy Weight
350	9	1000D/3	21379 N/mm ²	

(2) Bonded Nylon Thread

Bonded nylon thread is made from nylon 6 and nylon 6.6 continuous filaments that are twisted using bonding technology which gives this thread more strength, abrasion resistance and environmental resilience. With moderate elasticity, bonded nylon thread is suited for leather goods, footwear, suitcase and bag, mattress, bedding, sofa that require stretch and more tensile strength.



Bonded Nylon 6 Thread

Specification: Tex35-Tex700; 150D-2000D/2Ply-6Ply

TEX	Ticket	Denier	Strength	Fabric Application
45	60	150D/3	3528 N/mm ²	Medium Weight
70	40	210D/3	4798 N/mm ²	
90	30	280D/3	6279 N/mm ²	
135	20	420D/3	9243 N/mm ²	Heavy Weight
210	15	630D/3	13688 N/mm ²	
270	10	840D/3	18133 N/mm ²	Ex-Heavy Weight

Bonded Nylon 66 Thread

Specification: Tex35-Tex700; 150D-2000D/2Ply-6Ply

TEX	Ticket	Denier	Strength	Fabric Application
45	60	150D/3	3478 N/mm ²	Medium Weight
70	40	210D/3	5097 N/mm ²	
90	30	280D/3	6672 N/mm ²	
135	20	420D/3	9821 N/mm ²	Heavy Weight
210	15	630D/3	14544 N/mm ²	
270	10	840D/3	19267 N/mm ²	Ex-Heavy Weight
350	9	1000D/3	22865 N/mm ²	

Polyester Sewing and Quilting Thread

Polyester Sewing and Quilting Thread is made from non-stretchy but strong polyester continuous filament. Although it has no elasticity, it still accommodates a small amount of 'give' with good recovery. It's high strength and UV Resistance made it popular among outdoor furnishings exposed to sunlight over long periods such as sports equipment, automobile covers, curtains, kites, awnings, sails, tents, wire and cable applications and so on. It also the ideal sewing thread for general tough sewing like suitcase and bag, footwear, furniture upholstery, outdoor gear etc. that see less sunlight.



Specification: Tex12-Tex700; 50D-2000D/2Ply-6Ply

TEX	Ticket	Denier	Strength	Fabric Application
10	250	50D/2	784 N/mm ²	EX-Light Weight
16	190	70D/2	1097 N/mm ²	
17	180	50D/3	1176 N/mm ²	
21	120	70D/3	1647 N/mm ²	
35	80	100D/3	2352 N/mm ²	Light Weight
40	70	120D/2	1881 N/mm ²	
45	60	150D/3	3307 N/mm ²	Medium Weight
70	40	210D/3	4630 N/mm ²	
80	30	250D/3	5512 N/mm ²	
135	20	420D/3	9261 N/mm ²	Heavy Weight
210	15	630D/3	13891 N/mm ²	
270	10	840D/3	18522 N/mm ²	EX- Heavy Weight
350	9	1000D/3	22050 N/mm ²	

Nylon Sewing and Quilting Thread

Nylon sewing and quilting thread is composed of strong **nylon 6** and **nylon 6.6** continuous filament. Besides carrying remarkable tensile strength, the thread is supple and stretchy. Therefore it is usually used for leather goods, suitcase and bag, footwear, sportswear, mattress, bedding, sofa and so on.



Specification: Tex12-Tex700; 50D-2000D/2Ply-6Ply

TEX	Ticket	Denier	Strength	Fabric Application
21	120	70D/3	1646 N/mm ²	EX-Light Weight
35	80	100D/3	2352 N/mm ²	Light Weight
45	65	210D/2	3292 N/mm ²	
45	60	150D/3	3528 N/mm ²	Medium Weight
70	40	210D/3	4939 N/mm ²	
90	30	210D/4	6585 N/mm ²	
90	30	280D/3	6585 N/mm ²	Heavy Weight
135	20	420D/3	9878 N/mm ²	
210	15	630D/3	14817 N/mm ²	EX- Heavy Weight
270	10	840D/3	19756 N/mm ²	
350	9	1000D/3	23520 N/mm ²	

PLA Yarn and Thread

(1) PLA DTY

PLA Draw Textured Yarn (DTY) is a type of continuous filament made from polylactic acid (PLA), a biodegradable and eco-friendly polymer derived from renewable plant-based resource. Our raw material is sourced from sugarcane.

PLA DTY is produced through a draw texturing process that stretches and heat-sets the PLA pre-oriented yarn (POY) using a twist-untwist method, creating a spring-like structure. This results in crimped, elastic, and soft fibers that offer exceptional texture and durability. PLA DTY is highly versatile and widely used in various textile applications such as knitting, weaving, and yarn dyeing. Its soft and fluffy texture makes it ideal for products like innerwear, bedding, sportswear, casual clothing.

Specification

Customized to full dull, semi dull or cross-shaped profile as required

30D/24F; 40D/24F; 50D/24F; 50D/48F; 50D/72F; 75D/36F; 75D/48F; 75D/72F; 75D/96F; 75D/144F; 100D/48F; 100D/72F; 100D/96F; 100D/144F; 120D/72F; 150D/48F; 150D/72F; 150D/96F; 150D/144F; 200D/72F; 250D/72; 250D/96F; 300D/96F; 300D/144F; 300D/216F; 500D/432F; 600D/432F

(2) PLA FDY

PLA Fully Drawn Yarn (FDY) is a type of continuous filament made from polylactic acid (PLA), a biodegradable and sustainable polymer derived from renewable plant-based resource. Our raw material is sourced from sugarcane.

PLA DTY is produced through an extensive stretching process that eliminates curling and bending in the PLA pre-oriented yarn (POY), resulting in a continuous and uniform fiber distribution. This process creates a finer drawn yarn (FDY) with enhanced strength. PLA FDY features a consistent, smooth, and robust texture, making it suitable for apparel--sportswear, innerwear, and casual clothing; home textiles--drapes, upholstery and bedding; disposable packaging--tea bag; industrial uses--agricultural textiles, fishing net and filters.

Specification

50D/48F; 75D/48F; 75D/72F; 100D/48F; 100D/72F; 120D/72F; 150D/48F; 150D/72F; 150D/96F; 150D/144F; 500D/432F

(3) PLA Thread

Twisted from several strands of PLA FDY filaments ranging from 4 denier to 8 denier, specifications are customized according to requirements.



Recycled Thread

Recycled thread refers to a type of thread made from recycled materials, primarily sourced from post-consumer plastic or nylon waste, such as plastic bottles, textiles, fabrics, fishing nets and so on. Recycled sewing thread is an excellent option promotes a circular economy by diverting materials from landfills and extending the life cycle of resources, while still achieving high-quality results of threads.

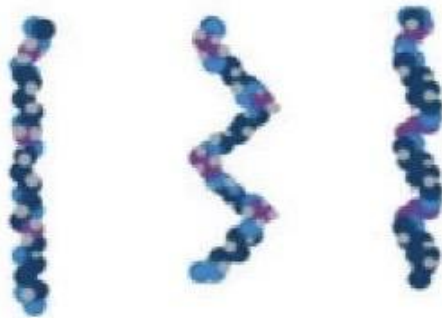


Specification: Tex12-Tex700; 50D-2000D/2Ply-6Ply

PTT Thread

PTT is a type of synthetic fiber made from a polymer known as polytrimethylene terephthalate. It stands out for its unique 'Z' fiber structure, which gives it exceptional elasticity, resilience and softness. These properties make PTT yarn versatile and suitable for a wide range of applications that demand flexibility, durability, and comfort, including swimwear, yoga pants, lingerie, undergarment, furniture upholstery and bedding. PTT yarn is also highly stain-resistant, and combined with its resilience and softness, it is an ideal choice for carpets and rugs. Besides, since PTT yarn can be made from renewable resources like corn-based sugars, it is widely used in eco-friendly and sustainable textile products.

Polyester PTT Nylon



Fiber Image



Specification

TEX	Ticket	Denier	Strength	Fabric Application
35	80	150D/2	830 N/mm ²	Light Weight
45	60	150D/3	1100 N/mm ²	Medium Weight

04 Factory and Equipments





Bonded Thread

Recycled Thread

High Strength Filament Thread

PTT Thread

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