

New brothread 5000M Polyester Embroidery Machine Thread 40WT

New brothread 5000M Polyester Embroidery Machine Thread 40WT Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper use and care of your New brothread 5000M Polyester Embroidery Machine Thread. Adhering to these instructions will help ensure optimal performance and longevity of the thread in your embroidery projects.

2. PRODUCT OVERVIEW

New brothread Polyester Embroidery Machine Thread is designed for both commercial and domestic embroidery machines. Each spool contains 5000 meters (5500 yards) of 40 W.T. (120D/2) thread, made from 100% polyester for durability and a vibrant finish.

2.1 Key Features

- **Material:** 100% Polyester for strength and luster.
- **Weight & Length:** 40 W.T. (120D/2) thickness, 5000M (5500Y) per spool.
- **Color Fastness:** Engineered to resist fading.
- **High Strength:** Reduces breakage during embroidery.
- **Luster:** Provides an exceptional sheen to finished designs.



Image 2.1: A single huge spool of New brothread 5000M Polyester Embroidery Machine Thread in Peacock Green.

2.2 Spool Dimensions

The large spool size is designed for extended use, minimizing the need for frequent thread changes.



Image 2.2: Spool dimensions indicating a height of 11.5cm, top diameter of 2.8cm, and base diameter of 6.2cm.

2.3 Color Conversion Charts

For convenience, New brothread offers a wide range of colors, many of which are compatible with Brother and Madeira color systems. Refer to the provided charts for color matching.

 New brothread® EMBROIDER AND SEW YOUR LIFE									
155 Assorted Colors Purchasing Reference									
5000M 100% Polyester Embroidery Machine Thread									
									
001 White	005 Silver	007 Prussian Blue	010 Cream Brown	017 Light Blue	019 Sky Blue	027 Fresh Green	030 Vermilion	058 Dark Brown	070 Cornflower Blue
									
079 Salmon Pink	085 Pink	086 Deep Rose	107 Dark Fuchsia	124 Flesh Pink	126 Pumpkin	202 Lemon Yellow	205 Yellow	206 Harvest Gold	208 Orange
									
209 Tangerine	214 Deep Gold	307 Linen	323 Light Brown	328 Brass	333 Amber Red	337 Reddish Brown	339 Clay Brown	348 Khaki	399 Warm Gray



Printed colors may be different from actual thread colors card is for reference only

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Image 2.3: A chart displaying 155 assorted New brothread colors for purchasing reference.

 New brothread® EMBROIDER AND SEW YOUR LIFE									
155 Assorted Colors Conversion Chart									
No.	Color Name	Brother Embroidery	Madeira Polyneon	Madeira Rayon	No.	Color Name	Brother Embroidery	Madeira Polyneon	Madeira Rayon
1	White	001	1801	1002	80	Variegated Color	V-017		
2	Silver	005	1812	1087	81	Variegated Color	V-020		
3	Prussian Blue	007	1767	1166	82	Variegated Color	V-031		
4	Cream Brown	010	1866	1022	83	Variegated Color	V-032		
5	Light Blue	017	1932	1132	84	Variegated Color	V-033		
6	Sky Blue	019	1828	1029	85	Variegated Color	V-048		
7	Fresh Green	027	1706	1102	86	Pastel Blue	N0026		
8	Vermillion	030	1779	1179	87	Fresh Green	N0034		
9	Dark Brown	058	1859	1130	88	Light Sky Blue	N0104		

10	Cornflower Blue	070	1830	1335	89	Lavender Pink	N0206		
11	Salmon Pink	079	1816	1317	90	Light Mauve	N0218		
12	Pink	085	1921	1108	91	Amethyst	N0220		
13	Deep Rose	086	1721	1117	92	Sky Blue	N0225		
14	Dark Fuchsia	107	1984	1383	No.	Color Name	brothread Color#	Janome Color#	Brother Color#
15	Flesh Pink	124	1915	1015					
16	Pumpkin	126	1952	1155	93	Gold	N003	003	214
17	Lemon Yellow	202	1623	1023	94	Pink	N201	201	085
18	Yellow	205	1980	1068	95	Vermilion	N202	202	030
19	Harvest Gold	206	1971	1024	96	Orange	N203	203	126/209
20	Orange	208	1951	1137	97	Yellow	N204	204	205
21	Tangerine	209	1965	1078	98	Dark Brown	N205	205	058
22	Deep Gold	214	1772	1172	99	Blue	N207	207	405
23	Linen	307	1682	1149	100	Purple	N208	208	869
24	Light Brown	323	1729	1056	101	Pale Violet	N209	209	810
25	Brass	328	1791	1192	102	Pale Pink	N211	211	079
26	Amber Red	333	1942	1341	103	Peach	N212	212	126
27	Reddish Brown	337	1753	1253	104	Beige	N213	213	843
28	Clay Brown	339	1621	1021	105	Brown	N214	214	339
29	Khaki	348	1939	1255	106	Wine Red	N215	215	333
30	Warm Gray	399	1860	1085	107	Sky	N217	217	542
31	Blue	405	1829	1177	108	Yellow Green	N218	218	513
32	Ultra Marine	406	1842	1076	109	Silver Gray	N220	220	005
33	Peacock Blue	415	1652	1252	110	Gray	N221	221	817
34	Electric Blue	420	1797	1297	111	Ocean Blue	N222	222	405
35	Mint Green	502	1702	1302	112	Beige Gray	N223	223	
36	Emerald Green	507	1750	1250	113	Bamboo	N224	224	
37	Leaf Green	509	1749	1050	114	Red	N225	225	800
38	Lime Green	513	1848	1049	115	Green	N226	226	808
39	Moss Green	515	1770	1369	116	Pale Aqua	N227	227	
40	Dark Olive	517	1769	1156	117	Baby Blue	N228	228	017
41	Olive Green	519	1904	1396	118	Bright Blue	N230	230	019
42	Teal Green	534	1879	1298	119	Slate Blue	N231	231	
43	Seacrest	542	1647	1219	120	Navy Blue	N232	232	406
44	Lilac	612	1831	1080	121	Salmon Pink	N233	233	079
45	Violet	613	1631	1033	122	Coral	N234	234	030
46	Purple	614	1880	1122	123	Burnt Orange	N235	235	
47	Pewter	704	1840	1041	124	Cinnamon	N236	236	
48	Dark Gray	707	1841	1241	125	Umber	N237	237	323
49	Red	800	1637	1037	126	Blond	N238	238	340
50	Lavender	804	1630	1261	127	Peony Purple	N241	241	869
51	Carmine	807	1986	1081	128	Royal Purple	N243	243	614
52	Deep Green	808	1703	1370	129	Cardinal Red	N244	244	807
53	Light Lilac	810	1911	1031	130	Opal Green	N245	245	502
54	Cream Yellow	812	1861	1349	131	Moss Green	N246	246	515
55	Gray	817	1640	1118	132	Meadow Green	N247	247	507
56	Beige	843	1738	1138	133	Dark Green	N248	248	508
57	Royal Purple	869	1788	1188	134	Aquamarine	N249	249	542
58	Black	900	1800	1000	135	Emerald Green	N250	250	
59	Flesh	901	1626	1066	136	Peacock Green	N251	251	534
60	Ivory	902	1861	1061	137	Dark Gray	N252	252	704/707
61	Kelly	1161			138	Ivory White	N253	253	902
62	Marigold	1171			139	Hazel	N254	254	337
63	Orange	1172			140	Toast	N255	255	214
64	Light Royal Blue	1176		1176	141	Salmon	N256	256	
65	Grape Juice	1236			142	Sienna	N258	258	
66	Persimmon	1247			143	Sepia	N259	259	160s
67	Teal	1253			144	Dark Sepia	N260	260	
68	Snow White	1618	1802	1003	145	Violet Blue	N261	261	607
69	Christmas Pink	1637			146	Sola Blue	N263	263	406
70	Christmas Red	1656			147	Green Dust	N264	264	513
71	Flesh	1668			148	Crimson	N265	265	086
72	Christmas Green	1754			149	Floral Pink	N266	266	107
73	Christmas Blue	1821			150	Olive Drab	N268	268	517
74	Christmas Gold	1950			151	Mustard	N270	270	
75	Christmas Silver	1963			152	Yellow Ocher	N271	271	
76	Neon Green	2324			153	Old Gold	N272	272	328
77	Neon Rose	2340	1908		154	Tangerine	N274	274	812
78	Neon Dark Orange	2480	1946		155	Canary Yellow	N275	275	348
79	Variegated Color	V-006							

Image 2.4: A detailed conversion chart for 155 New brothread colors, showing corresponding Brother and Madeira color numbers.

3. SETUP

Proper setup of the thread spool is crucial for smooth embroidery operations and to prevent thread breakage or tangling.

3.1 Threading Your Machine

Always refer to your specific embroidery machine's instruction manual for detailed threading procedures.

Ensure the thread follows the correct path through all guides and tension discs.

3.2 Using with Home-Based Machines

For home-based embroidery machines, it is **essential** to use an upright thread stand or holder. The large size of the 5000M spool requires external support to feed the thread smoothly into the machine, preventing snags and tension issues.



Image 3.1: A 5000M spool of thread being used with a home embroidery machine, demonstrating the necessity of an external thread stand for proper feeding.

3.3 Using with Commercial Machines

New brothread 5000M spools are designed to work directly with commercial, semi-industrial, and industrial embroidery machines. Ensure the spool is placed securely on the machine's designated thread holder.



Excellent quality embroidery machine thread runs smoothly on all commercial embroidery machines even at high speed

Image 3.2: New brothread spools loaded onto a multi-needle commercial embroidery machine, ready for operation.

4. OPERATING INSTRUCTIONS

Follow these guidelines for optimal performance of your New brothread polyester embroidery thread.

4.1 Recommended Machine Speed

The suggested average operating speed for New brothread polyester embroidery machine thread is **800 stitches per minute** for all compatible embroidery machines. This speed provides a balance of efficiency and thread integrity.

4.2 Adjusting for Specific Colors

Some thread colors may exhibit slightly weaker strength due to longer dyeing processes required to achieve specific hues. If you encounter thread breakage with a particular color, reduce your machine's speed to approximately **600 stitches per minute**. This adjustment can significantly reduce stress on the thread and prevent further issues.



Superior Strength

120D/2 (40WT) + ✓ Premium 100% Polyester Material

-  **5000M (5500YD) Each Spool**
Satisfy all the needs from variety of colors.
The PERFECT stock and BEST choice for your embroidery business.
-  **155 Colors for You to choose from**
No matter what color you need, you can find it at New brothread.
-  **Suitable for Most Kinds of Fabrics**
Create beautiful embroidery designs without puckering.

Image 4.1: A detailed view of an embroidery design being created, showcasing the smooth application and vibrant appearance of the thread.

5. MAINTENANCE

Proper care and storage of your embroidery thread will maintain its quality and performance.

5.1 Storage

Store thread spools in a cool, dry, and dust-free environment. Exposure to direct sunlight or extreme temperatures can degrade thread quality over time. Keep spools in their original packaging or in sealed containers to prevent dust accumulation.

5.2 Cleaning Embroidered Items

New brothread polyester embroidery thread is machine washable. Always follow the care instructions for the fabric on which the embroidery is applied. Use appropriate detergents and water temperatures to preserve the integrity of both the fabric and the thread.

6. TROUBLESHOOTING

If you encounter issues during embroidery, consider the following common solutions.

6.1 Thread Breaking

- **Needle Condition:** A dull, bent, or incorrect needle size can cause thread breakage. Replace the needle regularly, especially after 8 hours of embroidery or if you notice issues.
- **Machine Speed:** As mentioned in Section 4.2, reduce machine speed, particularly for colors that may be more delicate.
- **Tension Settings:** Incorrect upper or bobbin thread tension can lead to breakage. Adjust tension according to your machine's recommendations and the fabric type.
- **Threading Path:** Ensure the thread is correctly routed through all guides and tension discs without any obstructions or tangles.
- **Thread Stand:** For home machines, confirm the upright thread stand is stable and allowing the thread to unwind freely.

6.2 Thread Tangling or Snagging

- **Thread Stand Placement:** Ensure the thread stand is positioned correctly relative to your machine,

allowing a straight feed into the first thread guide.

- **Spool Orientation:** Verify the spool is unwinding smoothly. For cross-wound spools, the thread should pull off the top.
- **Machine Burrs:** Inspect thread guides, needle plate, and bobbin case for any rough edges or burrs that could snag the thread.

7. SPECIFICATIONS

Attribute	Detail
Material	100% Polyester
Brand	New brothread
Color (Current Product)	Peacock Green-N251
Item Length	5000 Meters (5500 Yards)
Product Care Instructions	Machine Wash
Item Thickness	40 W.T. (120D/2)
Item Weight	5.3 ounces
ASIN	B0BYSS93YN
Manufacturer	New brothreads

8. WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your New brothread embroidery machine thread, please contact New brothread customer service. Refer to the product packaging or the official New brothread website for contact information.