

GEM Collection

TOP QUALITY EMBROIDERY YARN

GEM

COLLECTION



Strip:1



Strip:2



Strip:3



Strip:4



Strip:5





Strip:6

Strip:7

Strip:8

Strip:9

Strip:10

P227 Just Pink	P13 Tibetan Red	P9007 Meadow Mauve	P9090 Lavender	P107 Dry Rose
P112 Rose Shadow	P584 Biking Red	P101 Royal Lilac	P96 Sweet Lavender	P9071 Rose Wine
P226 Strawberry Cream	P11 Virtual Pink	P100 Dahlia	P544 Bright Orchid	P104 Wild Rose
P225 Candy Pink	P598 Raspberry	P99 African Violet	P546 Fresh Lavender	P9035 Heather Rose
P223 Crystal Pink	P9038 Mangosteen	P9092 Smart Purple	P97 Orchid Bouquet	P9082 Moonlight Mauve
P502 Pink Icing	P116 Very Berry	P98 Orchid Blue	P700 Lilac Snow	P587 Sea Pink
P501 Rose Water	P9098 Sangria	P9086 Royal Orchid	P548 Winter Lilac	P78 Almost Mauve
P224 Baby Pink	P9028 Sunset Purple	P9088 Bluish Lavender	P105 Seafog	P9034 Burnt Sienna
P66 Sunrise	P9052 Plum	P545 Violet Tulip	P9067 Greivish Lavender	P63 Apricot Brandy
P12 Violet Quartz	P9105 Violet	P9118 Pastel Lilac	P95 Lavender Frost	P9042 Rose Brown



Strip:11

Strip:12

Strip:13

Strip:14

Strip:15

P9040 Crushed Berry	P9079 Yam	P217 Thorny Orange	P82 Beaver Fur	P216 Almost Apricot
P93 Golden Brown	P9016 Sunflower	P117 Pink Sand	P91 Nouget	P214 Flesh
P9041 Old Brown	P364 Deep Gold	P92 Bison	P88 Pebble	P526 Sun Burst
P9056 Bran	P127 Mineral Yellow	P84 Leek Green	P75 Mauve Tint	P79 Evening Sand
P129 Amber Brown	P126 New Wheat	P87 Willow	P86 Pink Tint	P81 Dessert Mist
P90 Autumn Glaze	P366 Greenish Gold	P9068 Olive	P76 Plaza Taupe	P80 Buff
P9036 Sunset	P85 Salmon	P83 Lark	P67 Oyster White	P9076 Tinsel
P130 Gold Earth	P517 Copper Tan	P9080 Burnish Gold	P68 Silver Gray	P591 Straw
P128 Topaz	P89 Dusty Coral	P9077 Mosque	P068 Moon Beam	P593 Rattan
P9081 Dessert Brown	P77 Cafe Cream	P9069 Arrow Wood	P35 Beige	P592 Almond





Strip:16

Strip:17

Strip:18

Strip:19

Strip:20

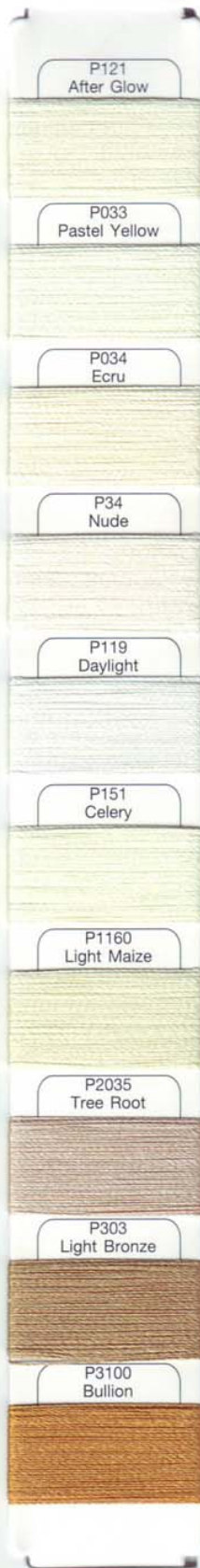
P590 Alabaster	P521 Coral Reef	P9017 Mary Gold	P9073 Turmeric	P155 Moonbeam
P9037 Crimson	P522 Peach Parfait	P9107 Saffron	P9072 Old Gold	P1560 Bright Yellow
P9019 Orange	P523 Shear Peach	P596 Shining Yellow	P527 Aspen Gold	P1610 Karat
P9015 Sunkist	P524 Skallop Shell	P586 Banana	P528 Pale Banana	P478 Butter Cup
P9114 Mock Orange	P525 Peach Tint	P42 Warm Apricot	P529 Lemon Chrome	P4201 Rich Yellow
P45 Salmon Buff	P74 Alesen	P042 Yellow Gold	P9070 Golden Haze	P9084 Popcorn
P43 Autumn Sunset	P9013 Flame Orange	P41 Vibrant Yellow	P267 Sunset Gold	P40 Dandelion
P519 Cantaloupe	P9014 Russett Orange	P9010 Gold Fusion	P9085 Golden Fleece	P559 Aurora
P518 Peach Nectar	P9009 Zinnia	P9011 Daffodil	P9074 Dull Gold	P265 Chardonay
P520 Melon	P3076 Tiger Orange	P9112 Spectra Yellow	P9075 Primrose Yellow	P533 Maize



Strip:21



Strip:22



Strip:23



Strip:24



Strip:25





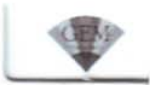
Strip:26

Strip:27

Strip:28

Strip:29

Strip:30



Strip:31

Strip:32

Strip:33

Strip:34

Strip:35

P27
Purple Mountain

P70
Stell

P632
Surf Blue

P599
Cameo Green

P605
Cyan Blue

P28
Blue Fog

P58
Cool Gray

P631
Atlantic Blue

P323
Bombay Blue

P603
Angel Blue

P551
Pearl Blue

P69
Sterling

P182
Green Stone

P6067
Alantic Blue

P616
Blue Atoll

P18
Gray Dawn

P372
Chrome

P622
Pro Teal

P627
Soldier Blue

P613
Plume

P018
Illusion Blue

P701
Harbor Green

P621
North Sea

P9058
Baltic Blue

P602
Capri

P552
Bleached Denim

P575
Green Forest

P623
Porcelain Green

P9055
California Blue

P614
Blue Tint

P25
Country Blue

P338
Evergreen

P620
Mineral Green

P9062
Peacock

P615
Acqua Sky

P31
Pastel Blue

P9012
Dark Green

P9063
Bristle Green

P618
Acqua Marine

P617
Blue Bird

P22
Blue Hint

P351
Dark Teal

P49
Smoke Green

P608
Ozone

P609
Eggshell Blue

P374
Paris Blue

P347
Ocean Green

P50
Green Spruce

P607
River Blue

P610
Opal Blue





Strip:36

Strip:37

Strip:38

Strip:39

Strip:40



Strip:41

Strip:42

Strip:43

Strip:44

Strip:45



Strip:46

ST-TYPE

MY121
Lush



MY3023
Deep Sea



MY118
Seaweed



MY117
Sushi



MY3016
Bluebell



MY125
Black Sea



MY3017
Tudor Gold



MY122
Starry Night



MY3009
Jaipur Blue



MY123
Twilight



Strip:47

ST-TYPE

MY124
Ultra Violet



MY111
Mahogany



MY113
Violet



MY3007
Turquoise



Strip:48

MHS-TYPE

JB14
Mercury



JB15
Karat Gold



JB18
Icy Pink



JB19
Sky Diver



JB20
Parasailing



JB21
Red Fox



JB22
Aquamarine



JB16
Jojoba



JB23
Chocolate



JB24
Pumpkin



GEM Collection

MULTI-HEAD EMBROIDERY THREADS

GEM COLLECTION : Specification for "POLYESTER" Embroidery Yarn

Benefits to customers :

- Smooth operation at speeds up to 1,000 - 1,200 stitches per minute to maximize your productivity
- Wide range of exciting colors covering the full spectrum (400 + Colors)
- More luster, smoothness, softness and shine, Higher strength, Environment friendly and less thread breakage.
- Absolutely no AZO-dyestuffs
- Excellent color fastness as dyeing process meet the International Standard ISO
- Quick and dependable service in all major markets
- Support from the RAPOS Technical Solution Team

Certification of Compliance :

- The results of the inspection, made according to Oeko-Tex Standard100 Test-No.05.PE.8421 (Product Class I), have shown that the above mentioned goods meet the human-ecological requirements of the current standard for yarns and fibers for adult and baby use. The certified articles fulfill the requirements regarding the use of AZO-Dyestuffs of the German "Bedarfsgegenstandeverordnung", which came into force on April 1,1996

Care Instructions :

Regular Washing

- For best results, wash with a mild laundering agent at a temperature of 60° C
- No rubbing especially for Red Embroidery Threads
- Powder on the fabric may affect the color of embroidery threads. So wash off all powder using cold water and mid-temp water before regular washing.
- Due to the high quality dyestuffs used, GEM COLLECTION embroidery thread can be bleach resistance.
- After washing rinse immediately in cold water and repeat until all detergents and color residues are thoroughly removed. Never leave wet articles piled together to avoid cross staining.
- If stain removers are to be used, test should first be conducted on the embroidered design to determine the effects of the stain remover on the color fastness of the fabric and thread.

Ironing

- Embroidered fabric should always be ironed on the reverse side. Use steam iron at low temperature setting. We recommend that the embroidery is ironed between two layers of cotton cloth.

Dry Cleaning

- GEM COLLECTION embroidery thread may be dry-cleaned with recommended commercial dry-cleaning fluids after having it pre-tested to determine suitability of the thread with the fabric type.



Storage :

- Excessive storage temperatures and sunlight must be avoided when embroidery threads are stored

Properties

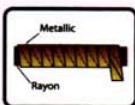
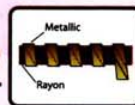
Normal Count	-	120 Denier / 132 Dtex / No.24 / 27 Tex
Ply	-	2
Strength Average	-	35 cN/Tex, 4 g./Denier (800 cN, 860 g.)
Elongation Average	-	30 - 35 %
Shrinkage at Boiling	-	< 0.5 %
Shrinkage at Heat setting 180 °C	-	< 0.5 %
Twist per meter (TPM)	-	550 Z
Knotless	-	Yes
Friction	-	< 80 F/cN, Wav < 30
Stick - Slip	-	< 50 F/cN, Wav < 10
Embroidery speeds	-	1,000 - 1,200 rpm/min

Color Fastness :

Washing	-	4C, 4S	ISO 105 C06 C25 (60 °C)
Rubbing wet, dry	-	4C, 3 - 4S	ISO 105 X12
Water	-	4C, S	ISO 105 E01
To perspiration	-	4C, S	ISO 105 E04
To light	-	4C	ISO 105 B02
To sea water	-	4C, S	ISO 105 E02
To acetone	-	Yes	ISO 105 X05
To yellowing	-	4C	M&S C20B
To hypochlorite bleaching	-	4C	ISO 105 N01
To chlorinated water	-	4C	ISO 105 E03
To ironing	-	4C	ISO 105 X11
To dry cleaning	-	4C	ISO 105 D01
To dry heat setting	-	4C, 4S	ISO 105 P01 (150 °C)
Control ph	-	4.5 - 7	AATCC - 81

GEM COLLECTION : Specification for "METALLIC" Embroidery Yarn

ST-Type and MHS-Type (Round Type Metallic Embroidery Yarn)

ST-Type
(ROUND YARN)**MHS-Type**
(ROUND YARN)

Specification	Description
Count Yarn	Rayon 150d
Weight	125 g./cone
Length	5,000 m./cone
Washing Condition	Water and Neutral Detergent
Bleach Condition	Do Not Bleach
Speed Compatible	850 Rpm.
Knot/Cone	Less than 2

GEM COLLECTION : Specification for "UNDER THREAD"**Spun-Polyester (Kilo cones)**

Specification	Description
Count Yarn	50/2, 60/2, 80/2
Colors Available	White
Washing Condition	Water and Neutral Detergent
Bleach Condition	Do Not Bleach
Speed Compatible	850 Rpm.

Pre-wound Polyester Bobbin (pieces)

Specification	Description
Count Yarn	75/2 Polyester Filament
Length	Approx - 130 - 140 m./Pcs.
Washing Condition	Water and Neutral Detergent
Bleach Condition	Do Not Bleach
Speed Compatible	1,000 Rpm.

INDEX COLOURS

Code	Strip	Code	Strip	Code	Strip	Code	Strip	Code	Strip	Code	Strip	Code	Strip	Code	Strip
P1	41	P82	14	P201	29	P508	3	P596	18	P9007	8	P9073	19	MY125	46
P02	41	P83	13	P203	29	P509	3	P598	7	P9008	28	P9074	19	MY126	44
P2	41	P84	13	P204	38	P511	4	P599	34	P9009	17	P9075	19	MY127	42
P03	23	P85	12	P210	24	P512	4	P600	1	P9010	18	P9076	15	MY128	45
P04	23	P86	14	P211	25	P513	4	P601	37	P9011	18	P9077	13	MY129	45
P6	3	P87	13	P212	24	P516	3	P602	35	P9012	32	P9078	4	MY201	43
P7	3	P88	14	P213	25	P517	12	P603	35	P9013	17	P9079	12	MY3001	43
P08	1	P89	12	P214	15	P518	16	P604	38	P9014	17	P9080	13	MY3002	44
P8	1	P90	11	P215	24	P519	16	P605	35	P9015	16	P9081	11	MY3005	44
P09	1	P91	14	P216	15	P520	16	P606	36	P9016	12	P9082	10	MY3006	45
P9	1	P92	13	P217	13	P521	17	P607	34	P9017	18	P9083	24	MY3007	47
P10	1	P93	11	P218	23	P522	17	P608	34	P9018	2	P9084	20	MY3009	46
P11	7	P95	9	P219	38	P523	17	P609	35	P9019	16	P9085	19	MY3011	45
P12	6	P96	9	P223	6	P524	17	P610	35	P9020	1	P9086	8	MY3013	45
P13	7	P97	9	P224	6	P525	17	P611	38	P9022	2	P9088	8	MY3014	43
P14	37	P98	8	P225	6	P526	15	P612	38	P9023	2	P9089	27	MY3015	43
P16	37	P99	8	P226	6	P527	19	P613	35	P9024	1	P9090	9	MY3016	46
P018	31	P100	8	P227	6	P528	19	P614	35	P9025	2	P9091	27	MY3017	46
P18	31	P101	8	P228	4	P529	19	P615	35	P9026	2	P9092	8	MY3018	42
P19	30	P103	38	P229	4	P530	21	P616	35	P9027	2	P9095	28	MY3019	45
P22	31	P104	10	P231	40	P531	21	P617	35	P9028	7	P9096	28	MY3023	46
P25	31	P105	9	P232	40	P532	21	P618	34	P9029	2	P9098	7	MY3025	44
P26	30	P107	10	P242	29	P533	20	P619	39	P9030	2	P9100	28	MY3026	43
P27	31	P112	6	P260	5	P534	21	P620	33	P9031	2	P9102	29	MY3027	42
P28	31	P113	4	P263	21	P535	21	P621	33	P9032	3	P9103	36	MY3028	44
P30	39	P114	4	P265	20	P536	21	P622	33	P9033	4	P9104	26	MY3030	44
P31	31	P115	4	P267	19	P537	24	P623	33	P9034	10	P9105	7	JB14	48
P033	22	P116	7	P273	37	P539	24	P624	38	P9035	10	P9106	29	JB15	48
P33	23	P117	13	P278	27	P540	23	P625	40	P9036	11	P9107	18	JB16	48
P034	22	P118	23	P0301	41	P542	23	P626	39	P9037	16	P9109	26	JB17	49
P34	22	P119	22	P303	22	P543	23	P627	34	P9038	7	P9110	28	JB18	48
P35	14	P121	22	P305	37	P544	9	P628	41	P9039	28	P9111	28	JB19	48
P36	3	P122	21	P308	39	P545	8	P629	41	P9040	11	P9112	18	JB20	48
P38	21	P125	21	P309	39	P546	9	P630	39	P9041	11	P9113	2	JB21	48
P40	20	P126	12	P310	40	P548	9	P631	33	P9042	10	P9114	16	JB22	48
P41	18	P127	12	P311	39	P550	30	P632	33	P9043	25	P9118	8	JB23	48
P042	18	P128	11	P312	40	P551	31	P700	9	P9044	26	P9187	27	JB24	48
P42	18	P129	11	P313	40	P552	31	P701	32	P9045	28	MY021	43	JB25	49
P43	16	P130	11	P319	40	P553	30	P715	24	P9046	25	MY101	43	JB26	49
P45	16	P132	5	P320	39	P554	30	P717	23	P9047	26	MY102	42	JB27	49
P49	33	P133	37	P323	34	P555	30	P731	24	P9048	27	MY103	42	MC6KK	43
P50	33	P136	5	P326	30	P556	30	P779	30	P9049	27	MY104	44	MC8	43
P58	32	P137	26	P327	30	P557	39	P1151	29	P9050	27	MY105	44	MC9	43
P61	3	P138	26	P328	29	P558	38	P1160	22	P9051	28	MY106	42	50/2	49
P63	10	P139	3	P338	32	P559	20	P1370	5	P9052	7	MY107	42	60/2	49
P64	25	P140	5	P347	32	P560	41	P1560	20	P9053	27	MY108	45	80/2	49
P66	6	P145	36	P351	32	P561	41	P1610	20	P9054	27	MY109	44	75/2W	50
P67	14	P146	36	P354	29	P575	32	P2014	23	P9055	34	MY110	45	75/41	50
P068	14	P147	36	P364	12	P577	24	P2030	38	P9056	11	MY111	47	75/9015	50
P68	14	P148	36	P366	12	P578	1	P2035	22	P9057	29	MY112	42	75/600	50
P69	32	P149	36	P372	32	P580	25	P3076	17	P9058	34	MY113	47	75/9078	50
P70	32	P151	22	P374	31	P581	1	P3100	22	P9061	37	MY114	42	75/546	50
P71	26	P153	36	P426	25	P584	7	P3640	40	P9062	34	MY115	42	75/327	50
P73	25	P155	20	P468	37	P585	25	P3801	29	P9063	33	MY116	44	75/93	50
P74	17	P156	28	P478	20	P586	18	P4070	5	P9064	37	MY117	46	75/71	50
P75	14	P161	40	P489	40	P587	10	P4071	3	P9065	39	MY118	46	75/2B	50
P76	14	P163	36	P0501	41	P588	37	P4201	20	P9067	9	MY119	45		
P77	12	P174	26	P501	6	P590	16	P6067	34	P9068	13	MY120	45		
P78	10	P175	26	P502	6	P591	15	P7077	38	P9069	13	MY121	46		
P79	15	P182	33	P504	5	P592	15	P9004	36	P9070	19	MY122	46		
P80	15	P183	5	P506	5	P593	15	P9005	27	P9071	10	MY123	46		
P81	15	P197	26	P507	5	P595	24	P9006	25	P9072	19	MY124	47		