



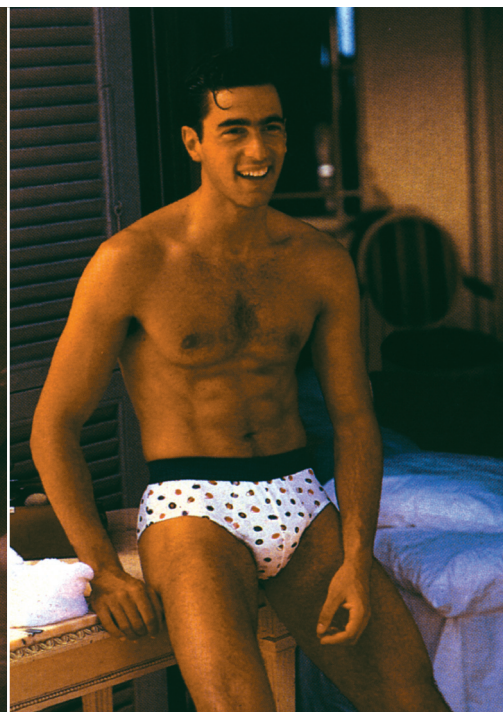
Coats American

TIGER[®]

TIGER AND TIGER C[®]

FEATURES

- **Economical** — Lowest cost synthetic thread
- **High bulk** — Excellent seam coverage with less thread
- **High elongation** — Seam extensibility for stretch fabrics
- **Durable** — Seam strength and color retained after repeated laundering
- **Broad color line in stock** — Immediate delivery



TIGER and TIGER C are Coats American's textured polyester sewing threads. These products are ideal for serging, under threads, chainstitch and decorative coverstitch applications.



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SPECIFICATIONS

	TKT SIZES	TEX SIZES	APPROX SINGLE-END STRENGTH		ELONGATION %	YIELD/LB		RECOMMENDED NEEDLE SIZES		
			GRAMS	(LBS) ¹		WHITE	DYED	SINGER	UNION SPECIAL	METRIC
TIGER REGULAR TENACITY	202	18	720	1.6	27.0	26,471	25,480	10-12	027-032	70-80
	200	24	922	2.0	28.0	19,180	18,316	10-14	027-036	70-90
	222	35	1390	3.1	27.0	12,757	12,075	12-16	032-040	80-100
	223	50	2080	4.6	27.0	8,224	7,840	14-18	036-044	90-110
	224	70	2740	6.1	27.0	6,183	6,073	16-20	040-049	100-125
	225	90	3540	7.8	28.0	5,182	4,912	18-22	044-054	110-140
	226	105	4100	9.06	31.0	---	4,330	20-24	049-073	125-180
	500	50	1700	3.75	22.0	8,538	8,160	14-18	036-044	90-110
	700	70	2700	5.95	30.0	6,400	6,050	16-20	040-049	100-125
TIGER C MID TENACITY	1200	24	1140	2.5	25.0	20,413	18,386	10-14	027-036	70-90
	1300	35	1670	3.7	22.0	12,882	12,194	12-16	032-040	80-100
	1204	105	4410	9.7	26.0	4,770	4,437	20-24	049-073	125-180

¹ Single-end strength variation $\pm 5\%$. Single-end strength tested in accordance with ASTM Standard Method D-2256.

PHYSICAL AND CHEMICAL PROPERTIES AND FINISHES OF FIBER

Heating/ironing	Melt point: 480-500°F; sticks at 450°F
Organic acids	Unaffected
Mineral acids	Unaffected by most mineral acids; i.e. hydrochloric, nitric. Dissolves in cold concentrated sulfuric acid.
Bleaching	Unaffected (chlorine, peoxide, etc.)
Alkalis	(No effect when cold) Good resistance to solutions of weak ammonia. Moderate resistance to strong alkalis such as caustic lye at room temperature. Disintegrates in strong alkalis at boil.
Organic solvents	Generally unaffected. Soluble in some phenolic compounds.
Insects & microorganisms (mildew, rot)	Unaffected. However, additives such as oils, waxes or finishes can lend to the support of fungi.
Moisture regain	Low (0.4%)
Laundering	Excellent

APPLICATIONS

TEX SIZE

T-shirts	18-24
Briefs	18-24
Fleece goods	18-24
Lingerie	18-24
Towels & wash cloths	24-35
Tablecloths & placemats	24-35
Sheets & pillowcases	24-35
Swimsuits	24-35

COLOR RANGE AND FASTNESS

Color range	TIGER and TIGER C are immediately available in over 200 stock shades. Refer to Americas Collection — Textured Color Selection Guide. Over 720 standard colors to choose from.
Dry heat fastness (sublimation)	Rating of 4 (minimum) at 350°F, 30 seconds, AATCC method 117 ^{1,2}
Washing and laundering (commercial)	Color range rating is 4 (minimum) and color transfer rating is 3 (minimum) at #111-A test conditions per AATCC method 61
Laundering (domestic)	Rating of 4 (minimum) at 140°F with chlorine bleach tested by ASTM D204-79a ¹
Water migration (cold water bleeding)	Rating of 4 (minimum) tested by ASTM D204
Crocking	Rating of 3 (minimum) wet and dry, as tested by AATCC method 8 ¹

¹ If thread is to be used for contrast stitching, check for suitability before sewing. Contact Coats American for advice regarding thread selection for specific fastness requirements.

² For heat exposures of thread colors beyond test conditions, fastness may vary. Therefore, it is recommended that the sewn product manufacturer check color under actual conditions before use.

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