

national
prime

TRIOBAL
POLYESTER



national
prime

TRIOBAL
POLYESTER



Suggested Application:

- Sportswear;
- Athletic Clothing;
- Casual Accessories;
- Outdoor Gear;
- Machine Embroidery

NATIONAL PRIME TRIOBAL POLYESTER is the thread suitable for machine embroidery. It has excellent luster, durability and color fastness. Mainly used on sports and athletic clothing, caps, bags, casual wear and other demanding applique operations.

Product Characteristics:

- Excellent Abrasion Resistance;
- Embroidery Thread;
- Durable Filament Core
- High Lustre
- Resistant to enzyme wash (denim application);
- Oeko-Tex Standard 100, Class 1;

Benefits:

Triobal Polyester Thread:

- Resistant to chemicals and abrasion;
- Lubricated thread protects from needle heat during high speed sewing;
- Less thread breakage during sewing operations;
- Colorfast resists fading;

Ask us, test us, challenge us.

If your thread requirement has some critical questions,
Manila Bay Thread Corporation most likely has the answers.

PRODUCT
INFORMATION

Thread solutions made easy.

www.manilabaythread.com

TRIOBAL POLYESTER

national

prime

TRILOBAL POLYESTER



national
prime

TRILOBAL
POLYESTER



Product Guidelines:

Tex No.	Ticket No. (Nm)	Ply	Average Strength		Elongation % Min - Max	Recommended Needle Size*	
			cN	Grams		Singer	Metric
27	120	2	1,145	1,168	21-36	11	75

* Needle size recommendations are a guide only and ultimately depend on the sewing application. Since conditions and applications vary considerably in the use of thread, the thread user should assure herself or himself by preliminarily testing that the thread is suitable for the end use intended. Technical information listed above is based on current averages and should be taken only as indicative.



Physical and Chemical Properties

Thermal Properties:



- Melts at 250 - 260°C, softens at 220 - 240°C
- Shrinkage less than 1% @ 150°C

Chemical Properties:



Mineral acids: Resistant to most mineral acids



Bleaching: Unaffected



Alkalis: Essentially unaffected by weak alkalis, especially at higher temperatures.



Insects / microorganisms (mildew, rat): Unaffected



Laundry / Dry Cleaning: Unaffected



Organic solvents: Generally unaffected, but soluble in some phenolic compounds



Moisture regain: 0.4%



Fastness Properties:



Washing at 60°C	ISO 105 C10	Grade 4
Water Fastness	ISO 105 E01	Grade 4
Rub Fastness	ISO 105 X12	Grade 4
Hypochlorite Fastness	ISO 105 N01	Grade 4
Dry Cleaning Fastness	ISO 105 D01	Grade 4

These fastness grades represent minimum performance levels and, in practice, the majority of shades will exceed these levels.

Fastness levels above are typical values achieved for the majority of shades. Many shades will achieve higher levels than those quoted. However, it is more difficult to achieve these fastness levels for certain shades, e.g. dark blues, bright reds and black. If the application requires higher levels of fastness than those quoted above the customer should check the fastness level before use.

High levels of fastness in categories not listed above, e.g. chlorine bleach, can be produced as a special requirement.



TRILOBAL POLYESTER

Thread solutions made easy.

www.manilabaythread.com

PRODUCT
INFORMATION