

World of Coats *lucence*

COATS
lucence



POLYBUTYLENE
TEREPHTHALATE
(P.B.T.)

Product Information



Coats *lucence* is a high tenacity polybutylene terephthalate (P.B.T.) thread which is designed to deliver a special 'Glow In The Dark' effect.

Coats *lucence* is ideal for glow in the dark embroidery applications but it may also be used for decorative topstitching.

Coats *lucence* is available in a range of 8 shades: Natural White, Dyed White, Light Pink, Light Orange, Light Yellow, Light Green, Light Blue and Light Purple.

These threads are 'charged' in sunlight or in artificial light (to a lesser degree) and when viewed in darkness they emit a luminous 'glow'.

Main Uses:

- Glow in the dark embroidery
- Glow in the dark decorative topstitching



Features and Benefits:

- High tenacity delivers excellent performance on embroidery and decorative topstitching applications
- Special glow in the dark shades provide endless design possibilities
- High abrasion resistance for durability in wash and wear

World of Coats

- Coats is the largest global thread supplier and has been the world's leading thread company for over 200 years.
- With manufacturing plants in over 70 locations and sales and distribution in more than 80 countries, Coats is uniquely placed to serve your thread needs anywhere in the world.
- Our state of the art colour communications management system, Coats ColourStitch[®], enables exact sample matching and colour approval almost instantaneously between locations around the globe.

One colour range. One specification. Worldwide.

Coats operates to a global specification for Coats *lucence* with quality audited by a centrally located team.

www.coatsindustrial.com



Product Guidelines:

Global Offer Tex No.	Ticket No. (Nm)	Ply	Average Strength		Elongation % Min - Max	Recommended Needle Size*	
			cN	Grams		Singer	Metric
27	120	2	600	612	40 - 60	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 of polybutylene terephthalate:

Thermal Properties:

- Melts at 180°C, softens at 150°C
- Shrinkage less than 1% @ 150°C
- Do not use steam iron

Chemical Properties:

- Mineral acids: Resistant to most mineral acids
- Alkalis: Essentially unaffected by weak alkalis, but less resistant to stronger alkalis, especially at higher temperatures
- Organic solvents: Generally unaffected, but soluble in some phenolic compounds
- Bleaching: Unaffected
- Insects / microorganisms (mildew, rot): Unaffected
- Laundering / dry cleaning: Unaffected
- Moisture regain: 0.4%



Coats *lucence* fastness properties:

- | | | |
|-------------------------|---------------|---------|
| • Washing at 40°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.

