



Coats Ultra Dee

Coats Ultra Dee is a sewing thread made from high tenacity continuous filament polyester with an innovative bonding technology. Coats Ultra Dee is specifically designed for demanding applications to deliver superior sewing performance for maximum productivity and excellent seam quality.



Main Uses:

- Automotive seat trims
- Dress and casual footwear
- Protective footwear
- Sports footwear
- Upholstery and furniture
- Luggage and leather goods
- Outdoor goods
- General purpose marine applications

Why choose Ultra Dee?

- Innovative bonding technology that safeguards against ply untwisting during the most demanding of sewing applications - no opening of plies with resultant broken/skipped stitches.
- 20 to 33% higher retained strength compared with standard lubricated sewing threads leading to less seam breaks.
- No bond shedding and resulting contamination of needles and sewn products.
- Soft and flexible thread for more balanced stitches.
- Strong ply-adhesion leading to a more defined stitch and superior seam appearance (see photos above).
- Vibrant and rich colours which have only been achieved with lubricated threads in the past.
- Meets Coats restricted substance list.

Technical Services

Our team of experts deliver innovative solutions globally.





Coats Ultra Dee

**BONDED
CONTINUOUS
FILAMENT
POLYESTER**

Product Information

Tex	Ticket	Ply	Strength cN	Elongation % Min - Max	Needle Size Metric
45	60	2	3135	17 - 24	90 - 110
60	40	3	4530	15 - 21	100 - 120
80	30	3	5480	15 - 21	120 - 140
135	20	3	9140	16 - 22	130 - 160
165	18	3	10520	18 - 26	130 - 160
180	15	3	11910	18 - 26	140 - 160
240	12	3	16130	22 - 30	250 - 280
270	10 / 11	3	16450	22 - 30	250 - 280
350	8 / 9	3	19950	19 - 30	250 - 280
450	7	3	31065	15 - 30	280 - 300
500	6	6	37730	15 - 30	300 - 330

For marine and tough outdoor applications:

- UV-inhibitor filaments can be used in all sizes 220 denier and above
- Special finishes available such as anti-wick, high lubrication, flame retardant

Thermal Properties:

- Melting point 250 - 260°C

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: Excellent resistance

Fastness Properties:

- Wash fastness: ISO 105 C10C Grade 4
- Water fastness: ISO 105 E01 Grade 4
- Rub fastness: ISO 105 X12 Grade 4
- Artificial light fastness: SAE J1885 40 kJ/m2 Grade 4



Since conditions and applications vary considerably in the use of a product, the customer and/or user should assure herself or himself that the product meets end customer requirements and is suitable for the intended end use. Coats accepts no liability for unsuitable or improper use or application of products.

Information provided above is based on current averages and should be taken only as indicative. Coats accepts no liability for the preciseness and correctness of the information provided.

Product information sheets are updated from time to time, please be sure you are referring to the most recent publication. Coats supports customers with advice on individual applications on request; if you have any questions or concerns, please contact us.

