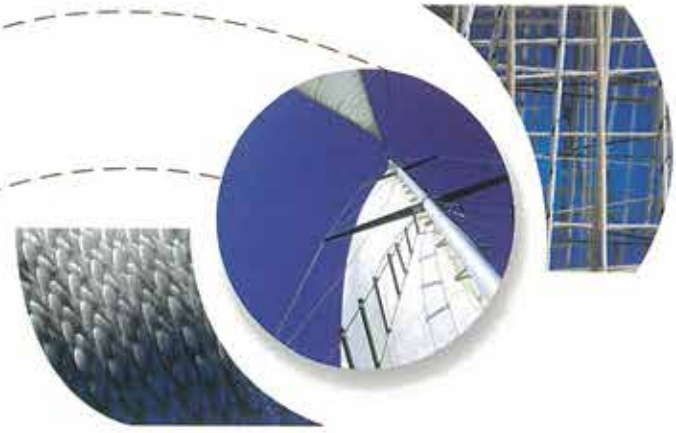
# Coats Dabond by Barbour



## Dabond

### *Company Profile*

Both Barbour and Coats have spent many years developing a global network far superior to any other thread manufacturer. Barbour's expertise in the production of speciality threads combined with Coats extensive knowledge of clothing threads and market presence gives Coats Barbour a significant advantage over global competitors. Today Coats Barbour has one of the widest product ranges of any sewing thread manufacturer in the world and a global market coverage that spans almost 100 countries.

### *Polyester Bonded Sewing Thread*

Dabond is a continuous filament high tenacity bonded polyester sewing thread. It has high UV resistance properties making it an excellent thread for outdoor use. Dabond is *the* thread for sail-making and has been synonymous with this end use worldwide. The Coats Barbour process ensures that Dabond has exceptional bond cohesion giving it excellent sewing properties even in the toughest of conditions.

# Dabond - Uses and Properties

## Metric sizes available

6 9 11 12 15 18 20 25 30 40 50 60 80

## Main uses

Sail making, Webbing, Slings, Tie Downs, Seat Belts

*Dabond also comes in standard finish and for severe applications in SLB finish.*

*Dabond also comes in compubond and anti-wick finishes.*

## Properties

| Composition | Construction | Size | Metres/kilo | Strength/kilo/min | Ext at Brk % | SLB |
|---|---|---|---|---|---|---|
| CF High Tenacity Polyester | 1670 dtex x 1 x 3 | 6 | 1640 | 27.9 | 12-25 | ✓ |
| CF High Tenacity Polyester | 1100 dtex x 1 x 3 | 9 | 2500 | 18.5 | 12-25 | ✓ |
| CF High Tenacity Polyester | 940 dtex x 1 x 3 | 11 (V207) | 2990 | 15.8 | 12-25 | ✓ |
| CF High Tenacity Polyester | 830 dtex x 1 x 3 | 12 | 3390 | 13.7 | 12-25 | ✓ |
| CF High Tenacity Polyester | 660 dtex x 1 x 3 | 15 | 4330 | 11.3 | 12-25 | ✓ |
| CF High Tenacity Polyester | 550 dtex x 1 x 3 | 18 (V138) | 5200 | 9.0 | 12-25 | ✓ |
| CF High Tenacity Polyester | 440 dtex x 1 x 3 | 20 | 6500 | 7.2 | 12-25 | ✓ |
| CF High Tenacity Polyester | 280 dtex x 1 x 4 | 25 (V92) | 7870 | 6.1 | 12-25 | ✓ |
| CF High Tenacity Polyester | 280 dtex x 1 x 3 | 30 (V69) | 10500 | 4.7 | 12-25 | ✓ |
| CF High Tenacity Polyester | 220 dtex x 1 x 3 | 40 | 13200 | 3.7 | 12-25 | ✓ |
| CF High Tenacity Polyester | 280 dtex x 1 x 2 | 50 (V46) | 16000 | 3.2 | 12-25 | ✓ |
| CF High Tenacity Polyester | 140 dtex x 1 x 3 | 60 (V42) | 21200 | 2.3 | 12-25 | ✓ |
| CF High Tenacity Polyester | 110 dtex x 1 x 3 | 80 (V33) | 25000 | 1.8 | 12-25 | ✓ |

## General Material

| | *Synthetic* | | | | | | *Natural* | |
|---|---|---|---|---|---|---|---|---|
| Properties | Nylon 6.6 | Polyester | Polypropylene | Nylon 6 | Kevlar | Nomex | Poly/Cotton | Cotton |
| Melting Point (°C) | 250 | 250 | 160-180 | 220 | 500d | 370d | 250 | - |
| Specific Gravity | 1.14 | 1.39 | 0.91 | 1.14 | 1.44 | 1.38 | 1.45 | 1.5 |
| Moisture Regain % | 4.0-4.5 | 0.4 | 0.01 | 2.8-5.0 | 4.5 | 6.5 | 2.0-6.0 | 8.5 |
| Average Tenacity(cN/tex) | 60-65 | 57-64 | 65-70 | 45-52 | 120-130 | 56-62 | 40-45 | 30-35 |
| Stretch Recovery | 88/3 | 88/3 | 96/5 | 98/10 | 100/2 | - | 88/3 | 45/5 |
| Flexibility | 5-24 | 30 | 20-30 | 18-23 | 975 | - | 35-60 | 42-82 |
| Acid Resistance | Poor | Good | Excellent | Poor | Fair | Fair | Good | Fair |
| Alkali Resistance | Good | Poor | Excellent | Good | Good | Good | Poor | Poor |
| Abrasion Resistance | Excellent | V Good | Good | Excellent | Good | Good | V Good | Good |
| Chemical Resistance | Fair | Good | Good | Fair | Excellent | Good | Good | Fair |
| Bleach Resistance | Bleaches | Resistant | Excellent | Bleaches | Poor | Resistant | Bleaches | Bleaches |
| Solvent Resistance | Good | Excellent | Excellent | Good | Excellent | Excellent | Excellent | Excellent |
| Sunlight Resistance | Good | Good | Good | Good | Fair | Fair | Excellent | Good |