

COATS  
*dabond*<sup>®</sup>  
*by Barbour*



BONDED CF  
POLYESTER THREAD

# Your Best Defense *Against the Elements*

# COATS *dabond*<sup>®</sup>

Sun, salt water and wind — marine conditions can be tough on any thread. But even tough conditions like these are a breeze for COATS *dabond*<sup>®</sup> — a bonded, twisted continuous filament polyester thread. Combining superior sewability with excellent UV and abrasion protection, COATS *dabond* is specifically designed to provide resistance against nature's toughest elements. And because it's from Coats, you know you're getting the guaranteed quality and performance globally from the world's largest thread manufacturer.

## Key Benefit

Can withstand UV degradation in all outdoor applications exposed to marine water and sunlight.

## Main Applications

- Sailmaking
- Boat tops
- Flags
- Tents and awnings
- Canvas and tarps
- Inflatables/hot air balloons
- Marine lift slings and tiedowns
- Military supplies
- Applications requiring chlorine bleach-fastness



## Special Features

- Excellent UV resistance for sunlight protection
- Unique bonding technology that safeguards against ply untwisting in zig zag and can sew through many layers of heavily finished fabric
- Dual level lube finish for needle heat protection and smooth sewing
- Excellent bleach, mildew and rot resistance
- The only environmentally-friendly bonded polyester thread available in the market
- The industry standard for sail making and other outdoor and marine applications



## Technical Data – COATS *dabond*

Bonded, twisted, continuous-filament polyester thread

Size	Tex	Average Strength (Lbs)	Approx. Yield (Yds/Lb)	Needle Size
V30	30	4.6	12,000	12-16
V46	45	7.0	8,450	14-18
V69	70	10.5	5,470	16-19
V92	90	14.5	4,040	19-22
V138	135	21	2,690	22-25
V207	210	31	1,930	25-27
V277	270	40	1,360	27-28
V346	350	51	1,050	Varies *
V415	400	63	890	Varies *
V462	450	70	780	Varies *
V554	500	85	620	Varies *
V693	700	104	510	Varies *

### Notes:

- UV-inhibitor filaments used in all sizes 220 denier and above
- Special finishes available: anti-wick, high lube, FR.
- Packouts: 4 oz., 8 oz., 16 oz., 32 oz., King spools. Case pack: 40 lbs/case
- Exact matches to sailmaking colors available.
- COATS dabond meets VT 285 government military spec
- Varies by machine manufacturer

## COATS *dabond* belbobs and barbobs

Size	Style	Yds/ Belbob
V30	G	85
	U	165
V69	U	56
	FD	26
	G	23
	J	37
V138	MD	39
	M	24
	U	33
	39	32
V207	58	47
V277	A	7*
V346	X	66
V415	X	52
	41	52

### \* Barbob

- Only popular bobbins styles listed. All yardages are approximate and are for bonded colors. White yardage is higher.
- Packing: 1 gross/box
- Minimum custom order: 30 gross (case pack) per color.

## Advantages of belbobs

- Polyester has higher specific gravity than nylon — more yardage per bobbin.
- Belbobs have higher yield per bobbin.
- Lower number of bobbin changes.
- 5-20% machine productivity increase.
- Precision wind for uniform pull-off tension.
- Improved stitch appearance.
- Belbobs need to be bonded or waxed to eliminate backlash or overspin.





## Typical Applications by Size

<b>Fine</b>	30 .....Lightweight sail fabrics
<b>Medium</b>	46 .....Balloons/inflatables
	.....Flags
	.....Light zig-zag on sails
	69 .....Sail panels for canvas size 24
	92 .....Vulcanized athletic footwear
<b>Heavy</b>	.....Sailmaking
	.....Boat tops and awnings
	.....Light canvas tarps
	138, 207, 277 .....Canvas and tarps
<b>Extra Heavy</b>	.....Trampoline fabric
	346, 415, 462, 554, 693...Marine lift slings and tie downs

## Chemical properties of CF Polyester

- Melting point 480-500°F (250-260°C)
- Low moisture regain 0.4% (drip dry)
- Excellent resistance to visible sunlight and UV rays
- Unaffected by mildew, rot and marine water
- Good resistance to acids and cold alkalis
- Excellent bleach resistance (chlorine, peroxide, etc.)
- Specific gravity = 1.38



Made for the great outdoors.

COATS *dabond*® thread comes to you from the World of Coats, the world's largest supplier of industrial thread products. We have the unique ability to service our customers anywhere in the world with our global product offering, innovative technical solutions, creative ideas and superior customer service. All Coats products are backed by Coats Technical Service, which gives you expert, on-the-spot advice on your sewing problems, absolutely free of cost. [www.coats.com](http://www.coats.com)