



# Coats Polymatic

Coats Polymatic is our global brand for polyester monocord threads. Made from 100% polyester filament, Coats Polymatic is strong, durable and bleach and UV resistant and is used by manufacturers of light boat tops, sailcloth, towels and ball caps. Coats Polymatic bobbins and belbobs are geared to maximise production on high speed multi-head embroidery and quilting machines.



## Main Uses:

### Needle Thread

- Low denier light sails
- Light boat tops
- Filtration

### Bobbins & Belbobs

- Multi-head embroidery
- Outdoor industry
- Comforter quilting
- H4 automatic bobbin changers

## Why choose Polymatic?

- Coats Polymatic is UV resistant.
- It has good fastness to bleach.
- No ply untwisting in zigzag sewing operations.
- Popular as under thread in embroidery and comforter quilting markets.
- Meets Coats restricted substance list.

## Technical Services

Our team of experts deliver innovative solutions globally.





# Coats Polymatic

100% POLYESTER

Product Information

System Size	Tex	Ticket	Ply	Strength cN	Elongation % Min - Max	Needle Size Metric
D	45	60	2	3530	17 - 35	90 - 110
F	60	50	1	4410	17 - 35	100 - 110
FF	90	30	1	6470	14 - 30	120 - 140
V125	105	25	1	7350	14 - 30	140 - 160
MD130 / V160	135	20	1	11075	17 - 40	160 - 200
V200	180	15	2	13330	17 - 40	200 - 250
C275	210	13	2	16465	14 - 35	250 - 280

## Coats Polymatic [belbobs and barbobs]

Monocord Size	Style	Meters / Barbobs	Meters / Belbobs	Monocord Size	Style	Meters / Barbobs	Meters / Belbobs
T17	G	183	201	F	G	-	35
-	H	-	153	-	H	-	30
-	L	133	144	-	M	-	51
-	M	259	297	-	MA	-	54
-	Y	-	247	-	U	-	68
-	YH	-	229	-	57	46	49
T15	H4	169	-	-	58	-	49
-	H4	174	-	FF	F	-	25
-	L	155	174	-	G	-	25
T24	L	123	137	-	M	-	37
-	L	90	105	-	MA	-	40
T38	H	-	64	-	U	-	49
-	L	-	62	V125	A	16	-
-	M	-	116	-	F	-	19
-	U	-	157	-	G	-	20
T48	U	-	123	-	M	-	28
D	G	-	49	-	N	-	32
-	GP	-	47	-	U	-	38
-	H	-	40	-	58	-	74
-	L	-	38	V160	G	-	15
-	M	-	72	-	M	-	21
-	-	-	-	-	58	-	56
-	-	-	-	V200	M	-	16
-	-	-	-	V275	M	-	14
-	-	-	-	-	58	-	37

### Thermal Properties:

- Melting point at 256°C

### Chemical Properties:

- Acids: Decomposed by strong mineral acids but resistant to weak acids
- Alkalis: High resistance to alkalis
- Organic solvents: Generally unaffected
- Bleaching: May be subject to deterioration, dependent in conditions
- Microorganisms (mildew, rot): Resistant to salt water, rot and mildew
- Moisture regain: Very low 0.4%
- Sunlight (degradation): Good resistance to strength loss

### Fastness Properties:

- Vinyl Transfer: CTC-TP-1032-003
  - Water Fastness: ISO 105 E01
- Grade 4 - 5  
Grade 4 - 5



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.

