Pearsalls Limited

PRODUCT CATALOGUE

- CONSISTENCY
- QUALITY
- VALUE

SURGICAL SPECIALTIES CORPORATION

Pearsalls Limited

WELCOME

Pearsalls Ltd.

In 1795 Pearsalls Ltd was founded by James Pearsall in London. The Taunton facility was established in 1816 and originally processed silk for the lace trade. During the 1970's production moved into the medical device field to manufacture suture material. Whilst the company has changed ownership several times in the past, it is now known as Surgical Specialties Taunton, but trades as Pearsalls Ltd.

The transition to manufacture medical devices was based on the company's original set of core competencies of twisting, braiding, dyeing and coating. The intricate bespoke (custom) assembly and manufacturing combined with the core competencies were ideal for producing suture material.

The site covers 65,000 sq ft with 30,000 sq ft of manufacturing area and employs approx. 200 people.

Surgical Specialties

Surgical Specialties is a global specialty pharmaceutical and medical device company that discovers, develops, and markets innovative technologies and medical products primarily for local diseases or for complications associated with medical device implants, surgical interventions and acute injury.

At Surgical Specialties, we are "redefining success" by striving to create novel medical solutions that elevate the standard of care and improve people's lives.

TABLE OF CONTENTS

OUR PRODUCTS

Pearsalls Ltd 'Design and manufacture textile implants for use in: orthopaedic, general and vascular surgery, twisted and braided silk [and] synthetic textiles for use as non-absorbable surgical sutures and components for medical devices or dental floss.' We have been exporting our products around the world for over 25 years for manufacturers to use within the medical device industry.

- PRODUCT CONFORMITY
- Pearsalls Ltd products are designed to conform to either the United States Pharmacopeia or the European Pharmacopoeia; the product index identifies which specification the sutures conform to.
- BATCH NUMBERING
- All reels are marked with a batch number, which identifies the date of production, materials used and details of Quality Control tests.
- In accordance with Good Manufacturing Practice, dispatch records of individual batches are retained should a recall be required.
- QUALITY
- Pearsalls Ltd is accredited to ISO 13485. Our notified body is SGS. Copies of our accreditation certification are available on request. Certificates of Conformity, which show test results obtained by our Quality Control Department, are supplied with every batch or lot in a shipment.
- SUPPLY PACKAGES
- Supplied on large reels containing up to 3,000 metres dependent upon the metric size.
- DYED PRODUCT CONFORMITY
- 21 CFR 70.5(c) can be met by the following dye stuffs: Logwood Black 21CFR 73.1410; Green No.6 21CFR 74.3206; D&C Blue No.2 21CFR 74.3102; Blue dye:[Phthalocyaninato (2-)] copper 21CFR 74.3045.
- BIOLOGICAL TESTING
- Whilst the suture we provide is manufactured for use within the medical device industry, it is for the OEM manufacturer to determine the best suture that will perform to the required characteristics of the finished device. 'ISO 10993 addresses the determination of the effects of medical devices on tissues, mostly in a general way, rather than in a specific device-type situation. Thus for a complete biological safety evaluation, it classifies medical devices according to *their nature and duration of their anticipated contact with human tissues when in use and indicates, in matrices, the biological data sets that are thought to be relevant in the consideration of each device category,*'. As we supply our products to OEM customers, it is understood that the biological evaluation will be undertaken by them, as the end use determines the effect of the suture upon the tissue.
- STORAGE
- No storage advice or expiration dates are given for Pearsalls products; the environment of further manufacture and the intended purpose of the finished device affects these aspects, and therefore is the responsibility of the OEM manufacturer.

EUROPEAN PHARMACOPOEIA DIAMETER REQUIREMENTS

SIZE		EP DIAMETER			
EP	USP	AVERAGE MIN (mm)	AVERAGE MAX (mm)	ABSOLUTE MIN (mm)	ABSOLUTE MAX (mm)
0.01	12-0	0.001	0.009	0.003	0.012
0.1	11-0	0.010	0.019	0.005	0.025
0.2	10-0	0.020	0.029	0.015	0.035
0.3	9-0	0.030	0.039	0.025	0.045
0.4	8-0	0.040	0.049	0.035	0.060
0.5	7-0	0.050	0.069	0.045	0.085
0.7	6-0	0.070	0.099	0.060	0.125
1	5-0	0.10	0.149	0.085	0.175
1.5	4-0	0.15	0.199	0.125	0.225
2	3-0	0.20	0.249	0.175	0.275
2.5	N/A	0.250	0.299	0.225	0.325
3	2-0	0.30	0.349	0.275	0.375
3.5	0	0.35	0.399	0.325	0.450
4	1	0.40	0.499	0.375	0.550
5	2	0.50	0.599	0.450	0.650
6	3 & 4	0.60	0.699	0.550	0.750
7	5	0.70	0.799	0.650	0.850
8	6	0.80	0.899	0.750	0.950
9	7	0.90	0.999	0.850	1.050
10	8	1.00	1.099	0.950	1.150

For reference only.

EUROPEAN PHARMACOPOEIA

TENSILE STRENGTH REQUIREMENTS

SIZE		EP SIMPLE KNOT PULL			
EP	USP	NON ABSORBABLE AVERAGE (> Equal to or greater than)		NON ABSORBABLE ABSOLUTE MINIMUM (< No value is less than)	
		(N)	(KG/F)	(N)	(KG/F)
0.01	12-0	0.01	0.001	N/A	N/A
0.1	11-0	0.03	0.003	N/A	N/A
0.2	10-0	0.1	0.010	N/A	N/A
0.3	9-0	0.35	0.035	0.06	0.006
0.4	8-0	0.60	0.061	0.15	0.015
0.5	7-0	1.0	0.101	0.35	0.035
0.7	6-0	1.5	0.152	0.60	0.061
1	5-0	3.0	0.305	1.0	0.101
1.5	4-0	5.0	0.509	1.5	0.152
2	3-0	9.0	0.917	3.0	0.305
2.5	N/A	13.0	1.325	5.0	0.509
3	2-0	15.0	1.529	9.0	0.917
3.5	0	22.0	2.243	13.0	1.325
4	1	27.0	2.753	15.0	1.529
5	2	35.0	3.569	22.0	2.243
6	3 & 4	50.0	5.098	27.0	2.753
7	5	62.0	6.322	35.0	3.569
8	6	73.0	7.443	50.0	5.098
9	7	N/A	N/A	N/A	N/A
10	8	N/A	N/A	N/A	N/A

For reference only.

UNITED STATES PHARMACOPEIA DIAMETER REQUIREMENTS

SIZE		USP DIAMETER			
EP	USP	AVERAGE MIN (mm)	AVERAGE MAX (mm)	ABSOLUTE MIN (mm)	ABSOLUTE MAX(mm)
0.01	12-0	0.001	0.009	N/A	0.0145
0.1	11-0	0.010	0.019	0.005	0.0245
0.2	10-0	0.020	0.029	0.0145	0.0345
0.3	9-0	0.030	0.039	0.0245	0.0445
0.4	8-0	0.040	0.049	0.0345	0.0595
0.5	7-0	0.050	0.069	0.0445	0.0845
0.7	6-0	0.070	0.099	0.0595	0.1245
1	5-0	0.10	0.149	0.0845	0.1745
1.5	4-0	0.15	0.199	0.1245	0.2245
2	3-0	0.20	0.249	0.1745	0.3195
3	2-0	0.30	0.339	0.2245	0.3745
3.5	0	0.35	0.399	0.3195	0.4495
4	1	0.40	0.499	0.3745	0.5495
5	2	0.50	0.599	0.4495	0.6495
6	3 & 4	0.60	0.699	0.5495	0.7495
7	5	0.70	0.799	0.6495	0.8495
8	6	0.80	0.899	0.7495	0.9495
9	7	0.90	0.999	0.8495	1.0495
10	8	1.00	1.099	0.9495	1.1495

For reference only.

UNITED STATES PHARMACOPEIA

TENSILE STRENGTH REQUIREMENTS

SIZE		USP SIMPLE KNOT PULL			
EP	USP	CLASS I WITH 25% ADDED FOR UNSTERILIZED PRODUCT		Class II VIRGIN SILK ONLY	
		(N)	(KG/F)	(N)	(KG/F)
0.01	12-0	0.012	0.00125[a]	N/A	N/A
0.1	11-0	0.735	0.0075[a]	0.058	0.006[a]
0.2	10-0	0.235	0.024[a]	0.166	0.017[a]
0.3	9-0	0.529	0.054[a]	0.353	0.036[a]
0.4	8-0	0.735	0.075	0.490	0.05
0.5	7-0	1.372	0.14	0.784	0.08
0.7	6-0	2.451	0.25	1.372	0.14
1	5-0	4.903	0.50	2.843	0.29
1.5	4-0	7.354	0.75	5.687	0.58
2	3-0	11.767	1.20	8.041	0.82
3	2-0	17.651	1.80	12.454	1.27
3.5	0	26.477	2.70	17.750	1.81
4	1	33.34	3.40	22.163	2.26
5	2	43.149	4.40	31.087	3.17
6	3 & 4	59.820	6.10	45.110	4.60
7	5	75.511	7.70	N/A	N/A
8	6	89.240	9.10	N/A	N/A
9	7	110.815	11.30	N/A	N/A
10	8	N/A	N/A	N/A	N/A

For reference only.

CUSTOMER TESTING INFORMATION

- Standard knot pull tensile strength is as stated in the latest editions of either the European Pharmacopoeia or US Pharmacopeia for non-absorbable sutures Class I – plus 25% for non-sterile sutures.
- Virgin silk sutures are classified as Class II non-absorbable suture as they are composed of coated natural fibres where the coating significantly affects the thickness but does not contribute to the strength.
- Pearsalls knot pull test is made with a simple knot.
- The EP size 2.5 will only be tested to European Pharmacopoeia.
- [a] The tensile strength of sizes smaller than USP 8/0 (metric 0.4) are measured by straight pull.
- The tolerances for our products are based on either European Pharmacopoeia or US Pharmacopeia standards:
  - <u>European Pharmacopoeia:</u>
  - Monofilament: All observed values must be within absolute min-max range.
  - Multifilament EP1 – EP 0.05: All observed values must be within absolute min-max range.
  - Multifilament EP1.5 – EP10: All average values must be within average min-max range; Not less than 2/3 of individual values must be in absolute min-max range.
  - <u>United States Pharmacopeia:</u>
  - Monofilament: All observed values must be within average min-max range.
  - Multifilament US 3-0 – US 12-0: All observed values must be within the absolute min-max range (not less than the midpoint of the next smaller size or greater than the midpoint of the range for the next larger size).
  - Multifilament US 2-0 – US 10: All average values must be within the average min-max range. All individual values must be within the absolute min-max range (not less than the midpoint of the next smaller size or greater than the midpoint of the range for the next larger size).

EP & USP REFERENCE CHART

EP	USP	SALES UNIT (M/REEL)
0.2	10/0	50
0.3	9/0	50
0.4	8/0	50
0.5	7/0	1000
0.7	6/0	1000
1.0	5/0	3000
1.5	4/0	3000
2.0	3/0	3000
2.5	- -	2000
3.0	2/0	2000
3.5	1/0 or 0	1000
4.0	1	1000
5.0	2	500
6.0	3 & 4	500
7.0	5	250
8.0	6	250
9.0	7	250
10.0	8	250

For reference only.

SILK BRAIDED SUTURES

- PRODUCT

  Non-capillary silk has excellent handling and tying characteristics. Modern braiding techniques provide a uniform smooth surface, greater tensile strength whilst maintaining a consistent diameter within the limits of the European Pharmacopoeia or US Pharmacopeia. The suture is available in either black or natural (white).

  US Pharmacopeia Standard Black Silk is dyed with Logwood Black.

- CONSTRUCTION

  Individual filaments of the highest quality silk are treated to improve handling properties. The filaments are twisted and braided. The braid consists of a core of twisted silk around which a cover is plaited from 8, 12 or 16 silk threads. Sizes 7/0, 6/0 and 5/0 have no core.

- MATERIALS

Fiber	Protein fiber from filaments spun by the silk worm – Bombyx Mori L.
Colour	
	Logwood black.
	Natural (white)
Dyestuffs	
	Logwood Black: CI75290. Natural Tinctorial Wood Extract obtained from Haematoxylon Campechianum. Conforms to US 21 CFR 73.1410 - US Pharmacopeia standard. The quantity of colour additive does not exceed 1.0 percent by weight of the suture.
	Natural - No Dye
Finishes	Wax – 100% pure Beeswax BP (white) from species Apis Meliafera conforming to EP
	Silicone – Nusil Med 2174 Silicone Elastomer

VIRGIN SILK FOR MICROSUTURES

- PRODUCT

Pearsalls Ltd Silk Sutures have been developed to achieve the greatest tensile strength whilst maintaining a consistent diameter within the limits of the European Pharmacopoeia or US Pharmacopeia. Virgin Silk Sutures are classified as Class II Non-absorbable sutures as they are composed of coated natural fibres where the coating significantly affects the thickness, but does not contribute to the strength. The Suture is available in either black or natural (ivory).

- CONSTRUCTION

An individual filature of silk is specially treated to facilitate processing. The filaments are delicately processed and dyed leaving, for the most part intact, the sericin or natural gum with which the silk worm coats the silk filament. This coating protects the delicate filament during processing and in use.

- MATERIALS

Fiber	Silk Protein fibre filaments spun by the silkworm Bombyx Mori L.
Colour	Natural
	Logwood Black
Dyestuffs	Natural – No Dye
	Logwood Black: CI75290. Natural Tinctorial Wood Extract obtained from Haematoxylon Campechianum. Conforms to US 21 CFR 73.1410 - US Pharmacopeia standard. The quantity of colour additive does not exceed 1.0 percent by weight of the suture.
Finishes	Natural gum of the silk worm Bombyx Mori L.

PRE-STABILISED BRAIDED POLYESTER SUTURES

- PRODUCT

The fine braiding of polyester gives this material an excellent smoothness. Easy to handle, its uniform surface can minimise trauma; and good knot tying security can provide long-term wound support. The suture is available in either green or natural (white).

- CONSTRUCTION

Braids are constructed to conform to the Pharmacopeia in 8, 12, and 16 carriers. Filaments are precision braided around a central core depending on the size. The following sizes have no central core; 6/0, 5/0, 4/0. The braid then undergoes a special process to ensure regularity of diameter is perfected. A coating is also available to improve the knot run down of the braid, enhance smoothness, and assist in giving a non-capillary effect.

- MATERIALS

Fiber	Polyester High tenacity filaments of Polyethylene Terephthalate. Pre-Stabilised
Colour	Green
	Natural
Dyestuffs	D&C Green No. 6. – (Colour Index Number – C.I. 61565) Conforms to US 21 CFR 74.3206. The quantity of colour additive not to exceed 0.75 percent by weight of suture.
	Natural – No Dye
Finishes	Wax – 100% Pure Beeswax BP (white) from species Apis Meliafera conforming to EP
	Silicone – Nusil Med 2174 Silicone Elastomer
	Filodell – Dispersion of Ethyl Cellulose

SOFT POLYESTER (CARDIOVASCULAR) SUTURE

- PRODUCT

  This is a range of polyester sutures designed for cardiovascular use and as such the handling of this range is at the forefront of its attributes. The enhanced softness and flexibility of these braids are what define the products.

- CONSTRUCTION

  Braids are constructed to conform to the US Pharmacopeia using 8 carriers to achieve the following sizes: US0, US2/0, US3/0, US4/0 and US5/0. (6/0 under development) No central core is used in any of the produced sizes to ensure that the required flexibility is achieved. The braid then undergoes a special process to ensure regularity of diameter is perfected. A coating is applied to improve the knot run down of the braid, enhance smoothness and lubricity, and assist in giving a non-capillary effect.

- MATERIALS

Fiber	Polyester High tenacity filaments of Polyethylene Terephthalate. Pre-Stabilised
Colour	Green
	Natural
	Blue (under development)
Dyestuffs	D&C Green No. 6. – (Colour Index Number – C.I. 61565) Conforms to US 21 CFR 74.3206. The quantity of colour additive not to exceed 0.75 percent by weight of suture.
	Natural – No Dye
	D & C Blue No. 6. – (Colour Index Number – C.I. 73000) Conforms to US 21 CFR 74.3106. The quantity of colour additive not to exceed 0.2% percent by weight of suture.
Finish	Silicone – Nusil Med 2174 Silicone Elastomer

MONOFILAMENT NYLON SUTURES

- PRODUCT

  Monofilament Nylon is a polyamide suture with characteristic high tensile strength. The uniform smooth surface permits easy passage through tissue. It is non-capillary and has excellent knot holding ability. Available in black, blue and natural (clear).

- CONSTRUCTION

  Product is extruded prior to Pearsalls Ltd further manufacturing.

- MATERIALS

Fiber	Monofilament Polyamide Nylon 6.6 (co-polymer of hexamethylenediamine and adipic acid)
Colour	Logwood Black
	Blue
	Natural
Dyestuffs	Logwood Black: CI75290. Natural Tinctorial Wood Extract obtained from Haematoxylon Campechianum. Conforms to US code of Federal Regulations 21CFR 73.1410 - US Pharmacopeia standard. The quantity of colour additive does not exceed 1.0 percent by weight of the suture.
	FD&C Blue No2 CI 73015 conforms to US 21 CFR 74.3102. The quantity of colour additive does not exceed 1.0 percent by weight of the suture.
	Natural- No Dye
Finish	Uncoated

MONOFILAMENT POLYPROPYLENE

- PRODUCT

Polypropylene is a versatile monofilament suture. It is non-capillary and its tensile strength is often greater than other true monofilaments. In addition, polypropylene is known to pass through tissue with good knot security. The suture is available in blue or clear (natural).

- CONSTRUCTION

The Product is extruded either prior to Pearsalls Ltd manufacturing or extruded at Pearsalls. Labelling signifies manufacturing source.

Cut lengths of polypropylene can be supplied from 50mm (2 inches) to 1300mm (52 inches) on application to Pearsalls' R&D team

- MATERIALS

Fiber	Non-absorbable polypropylene surgical suture is a monofilament, flexible thread prepared from long chain polyolefin polymer. US 21 CFR, Part 878, section 5010.
Colour	Blue
	Clear (Natural)
Dyestuff	Blue: [Phthalocyaninato (2-)] copper conforms to US 21 CFR 74.3045. The quantity of colour additive does not exceed 0.5 percent by weight of the suture.
Finish	Uncoated
8.0, 9.0 & 10.0	Supplied on 200m reels

PRODUCT INDEX

Code	Metric Size	Material	Testing Compliance	Page Number
15B051000	0.5	Silk Braided Logwood Black Wax	USP	11
15B071000	0.7	Silk Braided Logwood Black Wax	USP	11
15B103000	1	Silk Braided Logwood Black Wax	USP	11
15B153000	1.5	Silk Braided Logwood Black Wax	USP	11
15B203000	2	Silk Braided Logwood Black Wax	USP	11
15B302000	3	Silk Braided Logwood Black Wax	USP	11
15B351000	3.5	Silk Braided Logwood Black Wax	USP	11
15B401000	4	Silk Braided Logwood Black Wax	USP	11
15B500500	5	Silk Braided Logwood Black Wax	USP	11
15B600500	6	Silk Braided Logwood Black Wax	USP	11
15B700250	7	Silk Braided Logwood Black Wax	USP	11
15B800250	8	Silk Braided Logwood Black Wax	USP	11
15B900250	9	Silk Braided Logwood Black Wax	USP	11
15C051000	0.5	Silk Braided Logwood Black Silicone	USP	11
15C071000	0.7	Silk Braided Logwood Black Silicone	USP	11
15C103000	1	Silk Braided Logwood Black Silicone	USP	11
15C153000	1.5	Silk Braided Logwood Black Silicone	USP	11
15C203000	2	Silk Braided Logwood Black Silicone	USP	11
15C253000	2.5	Silk Braided Logwood Black Silicone	EP	11
15C302000	3	Silk Braided Logwood Black Silicone	USP	11
15C351000	3.5	Silk Braided Logwood Black Silicone	USP	11
15C401000	4	Silk Braided Logwood Black Silicone	USP	11
15C500500	5	Silk Braided Logwood Black Silicone	USP	11
15C600500	6	Silk Braided Logwood Black Silicone	USP	11
15C700250	7	Silk Braided Logwood Black Silicone	USP	11
15C800250	8	Silk Braided Logwood Black Silicone	USP	11
15C900250	9	Silk Braided Logwood Black Silicone	USP	11

PRODUCT INDEX

Code	Metric Size	Material	Testing Compliance	Page Number
23C103000	1	Soft Polyester White Med2174	USP	14
23C153000	1.5	Soft Polyester White Med2174	USP	14
23C203000	2	Soft Polyester White Med2174	USP	14
23C302000	3	Soft Polyester White Med2174	USP	14
23C351000	3.5	Soft Polyester White Med2174	USP	14
25B051000	0.5	Silk Braided White Wax	EP	11
25B071000	0.7	Silk Braided White Wax	EP	11
25B103000	1	Silk Braided White Wax	EP	11
25B153000	1.5	Silk Braided White Wax	EP	11
25B203000	2	Silk Braided White Wax	EP	11
25B252000	2.5	Silk Braided White Wax	EP	11
25B302000	3	Silk Braided White Wax	EP	11
25B351000	3.5	Silk Braided White Wax	EP	11
25B401000	4	Silk Braided White Wax	EP	11
25B500500	5	Silk Braided White Wax	EP	11
25B600500	6	Silk Braided White Wax	EP	11
25B700250	7	Silk Braided White Wax	EP	11
25B800250	8	Silk Braided White Wax	EP	11
25B900250	9	Silk Braided White Wax	EP	11
25BTN0250	10	Silk Braided White Wax	EP	11
25C051000	0.5	Silk Braided White Silicone	EP	11
25C071000	0.7	Silk Braided White Silicone	EP	11
25C103000	1	Silk Braided White Silicone	EP	11
25C153000	1.5	Silk Braided White Silicone	EP	11
25C203000	2	Silk Braided White Silicone	EP	11
25C302000	3	Silk Braided White Silicone	EP	11
25C351000	3.5	Silk Braided White Silicone	EP	11

PRODUCT INDEX

Code	Metric Size	Material	Testing Compliance	Page Number
25C401000	4	Silk Braided White Silicone	EP	11
25C500500	5	Silk Braided White Silicone	EP	11
25C600500	6	Silk Braided White Silicone	EP	11
25C700250	7	Silk Braided White Silicone	EP	11
25C800250	8	Silk Braided White Silicone	EP	11
25C900250	9	Silk Braided White Silicone	EP	11
25CTN0250	10	Silk Braided White Silicone	EP	11
35B071000	0.7	Pre-Stabilised Braided Polyester White Wax	EP	13
35B103000	1	Pre-Stabilised Braided Polyester White Wax	EP	13
35B153000	1.5	Pre-Stabilised Braided Polyester White Wax	EP	13
35B203000	2	Pre-Stabilised Braided Polyester White Wax	EP	13
35B252000	2.5	Pre-Stabilised Braided Polyester White Wax	EP	13
35B302000	3	Pre-Stabilised Braided Polyester White Wax	EP	13
35B351000	3.5	Pre-Stabilised Braided Polyester White Wax	EP	13
35B401000	4	Pre-Stabilised Braided Polyester White Wax	EP	13
35B500500	5	Pre-Stabilised Braided Polyester White Wax	EP	13
35B600500	6	Pre-Stabilised Braided Polyester White Wax	EP	13
35B700250	7	Pre-Stabilised Braided Polyester White Wax	EP	13
35B800250	8	Pre-Stabilised Braided Polyester White Wax	EP	13
35B900250	9	Pre-Stabilised Braided Polyester White Wax	EP	13
35BTN0250	10	Pre-Stabilised Braided Polyester White Wax	EP	13
35C071000	0.7	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C103000	1	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C153000	1.5	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C203000	2	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C252000	2.5	Pre-Stabilised Braided Polyester White Silicone	EP	13
35C302000	3	Pre-Stabilised Braided Polyester White Silicone	USP	13

PRODUCT INDEX

Code	Metric Size	Material	Testing Compliance	Page Number
35C351000	3.5	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C401000	4	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C500500	5	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C600500	6	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C700250	7	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C800250	8	Pre-Stabilised Braided Polyester White Silicone	USP	13
35C900250	9	Pre-Stabilised Braided Polyester White Silicone	USP	13
35CTN0250	10	Pre-Stabilised Braided Polyester White Silicone	USP	13
35F071000	0.7	Pre-Stabilised Braided Polyester White Filodell	EP	13
35F103000	1	Pre-Stabilised Braided Polyester White Filodell	EP	13
35F153000	1.5	Pre-Stabilised Braided Polyester White Filodell	EP	13
35F203000	2	Pre-Stabilised Braided Polyester White Filodell	EP	13
35F302000	3	Pre-Stabilised Braided Polyester White Filodell	EP	13
35F351000	3.5	Pre-Stabilised Braided Polyester White Filodell	EP	13
35F401000	4	Pre-Stabilised Braided Polyester White Filodell	EP	13
35F500500	5	Pre-Stabilised Braided Polyester White Filodell	EP	13
35F600500	6	Pre-Stabilised Braided Polyester White Filodell	EP	13
40B071000	0.7	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B103000	1	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B153000	1.5	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B203000	2	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B252000	2.5	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B302000	3	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B351000	3.5	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B401000	4	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B500500	5	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B600500	6	Pre-Stabilised Braided Polyester Green Wax	EP	13

PRODUCT INDEX

Code	Metric Size	Material	Testing Compliance	Page Number
40B700250	7	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B800250	8	Pre-Stabilised Braided Polyester Green Wax	EP	13
40B900250	9	Pre-Stabilised Braided Polyester Green Wax	EP	13
40BTN0250	10	Pre-Stabilised Braided Polyester Green Wax	EP	13
40C071000	0.7	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C103000	1	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C153000	1.5	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C203000	2	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C252000	2.5	Pre-Stabilised Braided Polyester Green Med2174	EP	13
40C302000	3	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C351000	3.5	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C401000	4	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C500500	5	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C600500	6	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C700250	7	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C800250	8	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40C900250	9	Pre-Stabilised Braided Polyester Green Med2174	USP	13
40F071000	0.7	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F103000	1	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F153000	1.5	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F203000	2	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F252000	2.5	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F302000	3	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F351000	3.5	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F401000	4	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F500500	5	Pre-Stabilised Braided Polyester Green Filodell	EP	13
40F600500	6	Pre-Stabilised Braided Polyester Green Filodell	EP	13

PRODUCT INDEX

PRODUCT INDEX

Code	Metric Size	Material	Testing Compliance	Page Number
61A203000	2	Clear Polypropylene Monofilament	USP	16
61A302000	3	Clear Polypropylene Monofilament	USP	16
61A351000	3.5	Clear Polypropylene Monofilament	USP	16
61A401000	4	Clear Polypropylene Monofilament	USP	16
61A500500	5	Clear Polypropylene Monofilament	USP	16
62A020200*	0.2	Blue Polypropylene Monofilament	USP	16
62A030200	0.3	Blue Polypropylene Monofilament	USP	16
62A040200	0.4	Blue Polypropylene Monofilament	USP	16
62A051000	0.5	Blue Polypropylene Monofilament	USP	16
62A071000	0.7	Blue Polypropylene Monofilament	USP	16
62A103000	1	Blue Polypropylene Monofilament	USP	16
62A153000	1.5	Blue Polypropylene Monofilament	USP	16
62A203000	2	Blue Polypropylene Monofilament	USP	16
62A302000	3	Blue Polypropylene Monofilament	USP	16
62A351000	3.5	Blue Polypropylene Monofilament	USP	16
62A401000	4	Blue Polypropylene Monofilament	USP	16
62A500500	5	Blue Polypropylene Monofilament	USP	16
66A071000	0.7	Monofilament Nylon 6.6 Blue	USP	15
66A103000	1	Monofilament Nylon 6.6 Blue	USP	15
66A153000	1.5	Monofilament Nylon 6.6 Blue	USP	15
66A203000	2	Monofilament Nylon 6.6 Blue	USP	15
66A351000	3.5	Monofilament Nylon 6.6 Blue	USP	15
66A401000	4	Monofilament Nylon 6.6 Blue	USP	15
66A500500	5	Monofilament Nylon 6.6 Blue	USP	15

***Product only available until existing stock is depleted. Please enquire with our Customer Services team

PRODUCT INDEX

Code	Metric Size	Material	Testing Compliance	Page Number
70A071000	0.7	Monofilament Nylon 6.6 Logwood Black	USP	15
70A103000	1	Monofilament Nylon 6.6 Logwood Black	USP	15
70A153000	1.5	Monofilament Nylon 6.6 Logwood Black	USP	15
70A203000	2	Monofilament Nylon 6.6 Logwood Black	USP	15
70A302000	3	Monofilament Nylon 6.6 Logwood Black	USP	15
70A351000	3.5	Monofilament Nylon 6.6 Logwood Black	USP	15
70A401000	4	Monofilament Nylon 6.6 Logwood Black	USP	15
70A500500	5	Monofilament Nylon 6.6 Logwood Black	USP	15
71A071000	0.7	Monofilament Nylon 6.6 Natural	USP	15
71A103000	1	Monofilament Nylon 6.6 Natural	USP	15
71A153000	1.5	Monofilament Nylon 6.6 Natural	USP	15
71A203000	2	Monofilament Nylon 6.6 Natural	USP	15
71A302000	3	Monofilament Nylon 6.6 Natural	USP	15
71A351000	3.5	Monofilament Nylon 6.6 Natural	USP	15
71A401000	4	Monofilament Nylon 6.6 Natural	USP	15

CONTACT US

- Customer ordering is by product code, please contact our Customer Service Manager Ruth Weston, rweston@surgicalspecialties.com
- Custom products such as cut lengths or variants of the range detailed in our catalogue can be requested from our R&D department (stuff@surgicalspecialties.com or aslack@surgicalspecialties.com)
- You can also write to us or call us:

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