

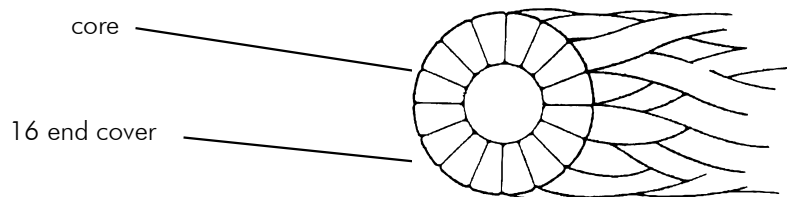


**PRODUCT**

In order to achieve a solid colour contrast, this braid is constructed from Black spun dyed filaments of polyester. An excellent tensile and knot pull strength is achieved well in excess of the standards required by the U.S. And European Pharmacopoeia and a wax or silicone finish is available.

**CONSTRUCTION**

Filaments of polyester are precision braided around a central core, and special processes applied to ensure regularity of diameter, and the best extension for good knotting characteristics. The non-capillary finish is then carefully applied throughout the length of the braid.



**PHYSICAL PROPERTIES**

EP Metric Size	USP Size	Standard Diameter (mm)	Tensile Strength		Extension at Break (Note 3) %	Sales Unit (m/reel)
			Standard Knot Pull (Note 1) (Kg)	Pearsalls Average Knot Pull (Note 2) (Kg)		
1	5/0	.100-.149	0.50	0.82	21.2	3,000
1.5	4/0	.150-.199	0.75	1.3	19.9	3,000
2	3/0	.200-.249	1.20	1.6	22.1	3,000
2.5	-	.250-.299	1.40	2.1	20.4	2,000
3	2/0	.300-.349	1.80	2.7	27.3	2,000
3.5	1/0	.350-.399	2.70	3.6	26.2	2,000
4	1	.400-.499	3.40	5.0	28.3	1,000
5	2	.500-.599	4.40	6.8	30.1	500
6	3	.600-.699	6.10	8.9	29.5	500
7	5	.700-.799	7.70	11.6	32.8	500
8	6	.800-.899		13.4	44.9	250

**NOTES**

1. Standard knot pull tensile strength is as stated in the latest editions of the European Pharmacopoeia and US Pharmacopoeia for non-absorbable sutures Class 1 – plus 25% for non-sterile sutures.
2. Pearsalls knot pull test is made with a simple knot.
3. Extension is the elongation of the material at break or rupture in a straight pull test expressed as a percentage of the original length.

**MATERIALS**

- Polyester Medium tenacity filaments of PES Polyethersulfone
- Dyestuffs Carbon Black Cl.77266 (Spun or melt dyed by the filament producer).
- Finishes Wax – 100% Pure Beeswax BP.  
Silicone – Nusil Med 2174 Silicone Elastomer.  
Filodel  
Teflon  
Uncoated



## **SUPPLY PACKAGES**

On large reels containing up to 3,000 metres. On small reels for hospital use with 22m or 90m and supplied in boxes of 10 reels.

## **FINISHES**

Silicone and Wax finishes are available from stock in Taunton. Untreated Filodel and Teflon sutures are made to special order.

## **BATCH NUMBERING**

All reels are marked with a batch number which identifies the date of production, materials used and details of Quality Control tests. Records of dispatches of each batch are maintained so that recall of individual batches can be effected in accordance with Good Manufacturing Practice.

## **QUALITY**

Pearsalls Ltd quality system conforms to ISO 9001 2000. We are audited twice a year to ensure that we continue to meet the highest standards that can be achieved. Our notified body is SGS Yarsley. Certificates of conformity which show the test results obtained by our Quality Control Department are supplied with every batch or lot in a shipment..

## **GOOD MANUFACTURING PRACTISE**

Pearsalls Sutures have introduced FDA Good Manufacturing Practice into all aspects of production and quality control. These procedures include the maintenance of detailed batch records, control of processes and procedure, staff training and a controlled production environment.

## **U.S. FOOD AND DRUG ADMINISTRATION (F.D.A.)**

Pearsalls sutures are registered with the United States Food and Drug Administration as a manufacturer of non-sterile suture materials. Registration No. 8010203-6B

## **INTERNATIONAL STANDARDS**

The products of Pearsalls sutures are designed and inspected to comply with the latest editions of both the European Pharmacopoeia and United States Pharmacopoeia.



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