

GUNZE

Gunze PGA

-Absorbable Suture Materials-



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Description

Coated PGA(Polyl Glycolic Acid) Braided Suture Materials
※Non-Sterile

Characteristics

Gunze PGA Absorbable Suture Materials meets USP Standard

- Superior knot stability
- Superior flexibility
- Superior tensile strength



Availability

Size : USP 5 to 12-0
Colour: Violet and Beige(undyed)
Standard Length as follows:

USP size	per bobbin	USP size	per bobbin
5	250m	5-0	1,000m
4	250m	6-0	1,000m
3	500m	7-0	1,000m
2	500m	8-0	1,000m
1	500m	9-0	500m
1-0	1,000m	10-0	500m
2-0	1,000m	11-0	500m
3-0	2,000m	12-0	500m
4-0	2,000m		

※Non-Sterile

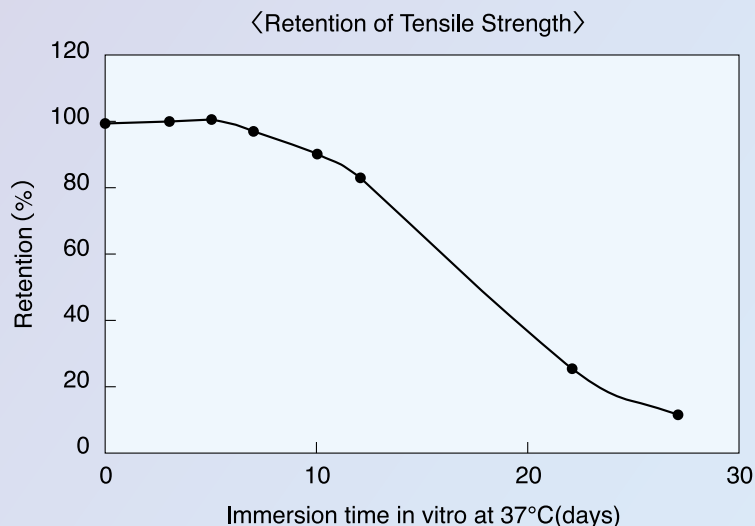
Material

Raw material : Poly Glycolic Acid(-O-CH₂-CO)_n

Dyestuffs : D&C Violet No.2

Coating Material

Biodegradable



Diameter

Size		Determined by USP method	
USP	EP	Average value(mm)	
		Minimum	Maximum
12-0	-	0.001	0.009
11-0	0.1	0.010	0.019
10-0	0.2	0.020	0.029
9-0	0.3	0.030	0.039
8-0	0.4	0.040	0.049
7-0	0.5	0.050	0.069
6-0	0.7	0.070	0.099
5-0	1	0.10	0.149
4-0	1.5	0.15	0.199
3-0	2	0.20	0.249
2-0	3	0.30	0.339
1-0(0)	3.5	0.35	0.399
1	4	0.40	0.499
2	5	0.50	0.599
3and4	6	0.60	0.699
5	7	0.70	0.799

Knot pull tensile strength (Initial Strength)

Size		Minimum average value	
USP	EP	USP Standard (in kgf)	Gunze Standard (in kgf)
		12-0	-
11-0	0.1	-	0.009
10-0	0.2	0.025	0.025
9-0	0.3	0.05	0.050
8-0	0.4	0.07	0.07
7-0	0.5	0.14	0.14
6-0	0.7	0.25	0.35
5-0	1	0.68	0.68
4-0	1.5	0.95	1.10
3-0	2	1.77	1.80
2-0	3	2.68	2.85
1-0(0)	3.5	3.90	3.90
1	4	5.08	5.20
2	5	6.35	7.00
3and4	6	7.29	7.29
5	7	-	8.50

※Smaller than USP 9-0 is measured by streight pull.

Indication

Storage Conditions

- Low temperature and low humidity
- Should be kept in desiccator or refrigerator
- Under well controlled storage conditions , the material quality can be guaranteed at least for 1 year

Working Enviroment

- Recommend – Temperature below 25°C
 – Humidity less than 60%

This materials is easily damaged by the moisture and high temperature

Sterilization

EOG (Ethylene Oxide Gas) Sterilization is nomally recommended.

Warranty Guarantee more than 50% retention of initial tensile strength after 2weeks at 37°C in vitro

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