

UNIFY® Surgical Sutures Material Guide

| | Silk | Nylon | Cable Nylon | Polypropylene | Polyester | PGA | PGCL | RPGA | PDO | Plain Gut | Chromic Gut |
|--|------------------|----------------|----------------|----------------|------------------|---------------------|---------------------|-----------------------|----------------------|-----------------------|-----------------------|
| Type | Braided Coated | Monofilament | Braided Coated | Monofilament | Braided Coated | Braided Coated | Monofilament | Braided Coated | Monofilament | Monofilament | Monofilament |
| Color | Black | Black | White | Blue | Green | Violet | Undyed | Undyed | Violet | Beige | Brown |
| Absorbable / Non-Absorbable | Non-Absorbable | Non-Absorbable | Non-Absorbable | Non-Absorbable | Non-Absorbable | Mid-Term Absorption | Mid-Term Absorption | Short-Term Absorption | Long-Term Absorption | Short-Term Absorption | Short-Term Absorption |
| Tensile Force Remaining | | | | | | 30 Days | 20 Days | 10 Days | 60 Days | 10 Days | 14-21 Days |
| Complete Absorption | | | | | | 60-90 Days | 90 Days | 42 Days | 180-210 Days | 70 Days | 56-72 Days |
| INDICATIONS | | | | | | | | | | | |
| Sutures & Ligatures in General Surgery | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Cutaneous Sutures | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |
| Sutures of Aponeurosis and Muscles | | | | | | ✓ | ✓ | | ✓ | | |
| Hemostasis Ligatures | | | | | | ✓ | ✓ | | ✓ | | |
| Muscles and Subcutaneous Sutures | | | | | | ✓ | ✓ | | ✓ | | |
| Suture of Hard Reaching Tissues | | | | | | | ✓ | ✓ | ✓ | ✓ | ✓ |
| Sutures of Fragile Tissues | | | | | | | ✓ | | ✓ | | |
| Ophthalmic Sutures | ✓ | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | ✓ |
| Hernias | | | | ✓ | | | | | ✓ | | |
| Orthopedic Surgery | | | | ✓ | ✓ | | | | | | |
| Sutures of Muscular Walls | | | | ✓ | | ✓ | | | | | |
| Slow Healing Tissues | | | | ✓ | | | | | | | |
| ADVANTAGES | | | | | | | | | | | |
| Tensile Strength | moderate | high | high | very high | very very high | very high | very high | very high | high | moderate | moderate |
| Tissue Reaction | mild | minimal | minimal | very minimal | minimal | minimal | very minimal | minimal | very minimal | mild | mild |
| Wicking Behavior / Capillarity | limited (coated) | no | no | no | limited (coated) | limited (coated) | no | limited (coated) | no | no | no |
| Shape Memory | no | low | very low | very low | no | no | very low | no | low | low | low |
| Knot Safety | excellent | good | excellent | very good | excellent | excellent | excellent | excellent | very good | very good | very good |
| Smooth | good | good | good | very good | very good | very good | very good | very good | very good | very good | very good |
| Sawing Effect | limited (coated) | no | no | no | limited (coated) | limited (coated) | no | limited (coated) | no | no | no |