



UNIFY[®] Suture Thread Material Guide

Non-Absorbable

	Silk	Nylon	PTFE	Polypropylene	Polyester	Stainless Steel
Type	Braided Coated	Monofilament	Monofilament	Monofilament	Braided Coated	Monofilament
Color	Black	Black	White	Blue	Green	Silver
Absorbable / Non-Absorbable	Non-Absorbable	Non-Absorbable	Non-Absorbable	Non-Absorbable	Non-Absorbable	Non-Absorbable
Tensile Force Remaining						
Complete Absorption						
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	extremely high
Tissue Reaction	mild	minimal	very minimal	very minimal	minimal	minimal
Wicking Behavior / Capillarity	limited (coated)	no	no	no	limited (coated)	no
Shape Memory	no	low	very low	very low	no	high
Knot Safety	excellent	good	excellent	very good	excellent	good
Smooth	good	good	excellent	very good	very good	excellent
Sawing Effect	limited (coated)	no	no	no	limited (coated)	limited (coated)

Absorbable

	PGA	PGCL	RPGA	PDO	Plain Gut	Chromic Gut
Type	Braided Coated	Monofilament	Braided Coated	Monofilament	Monofilament	Monofilament
Color	Violet	Undyed	Undyed	Violet	Beige	Brown
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	very high	very high	very high	high	moderate	moderate
Tissue Reaction	minimal	very minimal	minimal	very minimal	mild	mild
Wicking Behavior / Capillarity	limited (coated)	no	limited (coated)	no	no	no
Shape Memory	no	very low	no	low	low	low
Knot Safety	excellent	excellent	excellent	very good	very good	very good
Smooth	very good	very good	very good	very good	very good	very good
Sawing Effect	limited (coated)	no	limited (coated)	no	no	no