



Flex Thickness 0.3mm			Stiff Thickness 0.5mm		
15X20mm BP3-1520	25X30mm BP3-2530	30X40mm BP3-3040	15X20mm BP5-1520	25X30mm BP5-2530	30X40mm BP5-3040

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GL_LF_TC_Rev.2(2024.09)

THE Cover™

Resorbable Collagen Membrane

Flex **Stiff**



THE Cover™

Resorbable collagen membrane with high biocompatibility

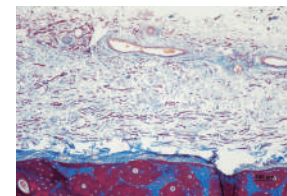
- **THE Cover** is a resorbable membrane consisting of porcine originated Type I Collagen.
- It is safe and has high biocompatibility as manufactured by an inherent physical crosslinking method (Self-Assembly Technology) of Purgo without using any chemical crosslinking agents.
- **THE Cover** is divided into two types; Flex type with excellent flexibility and Stiff type for space maintenance.
- Thorough quality control is carried out from raw materials to customers.

Biocompatibility and Safety

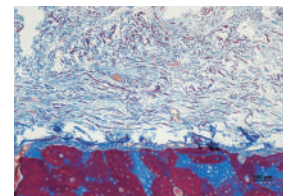
THE Cover is a resorbable membrane originated from a pure Type I Collagen, and it's highly biocompatible and cell-friendly since chemical crosslinking agent was not used.

It has a dense structure that effectively prevents the downward movement of soft tissue, helping bone regeneration.

| In-vivo beagle experiment | (Masson Trichrome)

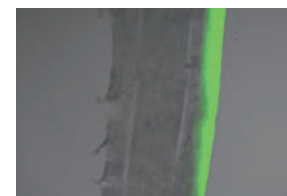


THE Cover (Flex)

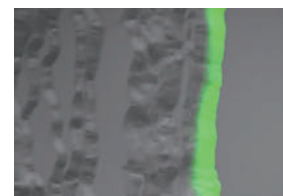


THE Cover (Stiff)

| Infiltration Test |



THE Cover (Flex)



THE Cover (Stiff)

* **In-vitro test**
Cross-sections of confocal images showing infiltration of bovine serum albumin (BSA-488) after 48hr

Hydrophilicity and Morphology maintenance

THE Cover is hydrophilic and has excellent adhesion as it maintains its shape even after being left at room temperature for more than 30 minutes after hydration.

| Dehydration Test | (After 30min)



THE Cover (Flex)



THE Cover (Stiff)

THE Cover™ Flex or Stiff

THE Cover Flex

THE Cover Flex can cover a irregular surface with high flexibility.

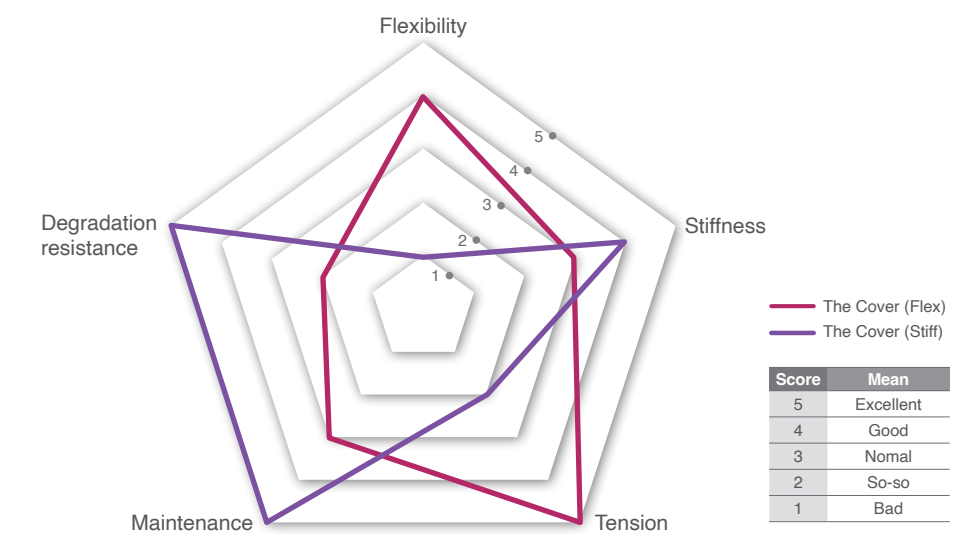
It has practically useful extension and offers convenient handling.

THE Cover Stiff

THE Cover Stiff is favorable for space maintenance with its high stiffness and ability to maintain space.

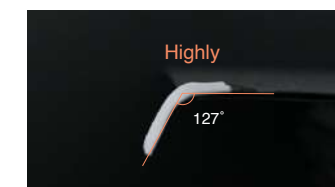
It is strongly resistant to biodegradation and suitable for indication that requires a longer time for bone maturation.

| Radial graphs |



Experimental References

| Flexibility |

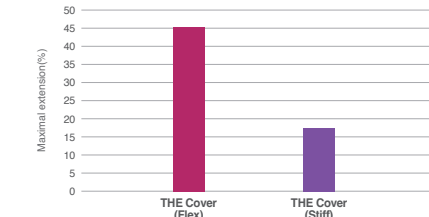


THE Cover (Flex)

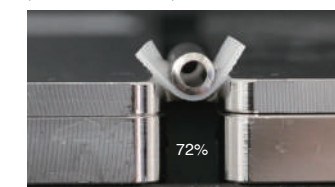


THE Cover (Stiff)

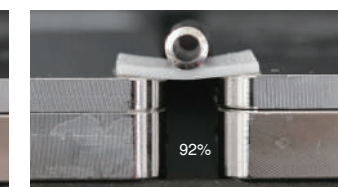
| Extension |



| Maintenance |



THE Cover (Flex)



THE Cover (Stiff)

| Collagenase degradation |

