



FlexHD[®]

PLIABLE

PORTFOLIO
BOOKLET

See why FlexHD Pliable is
the **fastest growing ADM**
on the market today.

mtfbiologics[®]

Science Driven. Patient Focused.

MTF Biologics offers
the largest variety of
ADM shapes and sizes
to meet your Plastic &
Reconstructive Needs.

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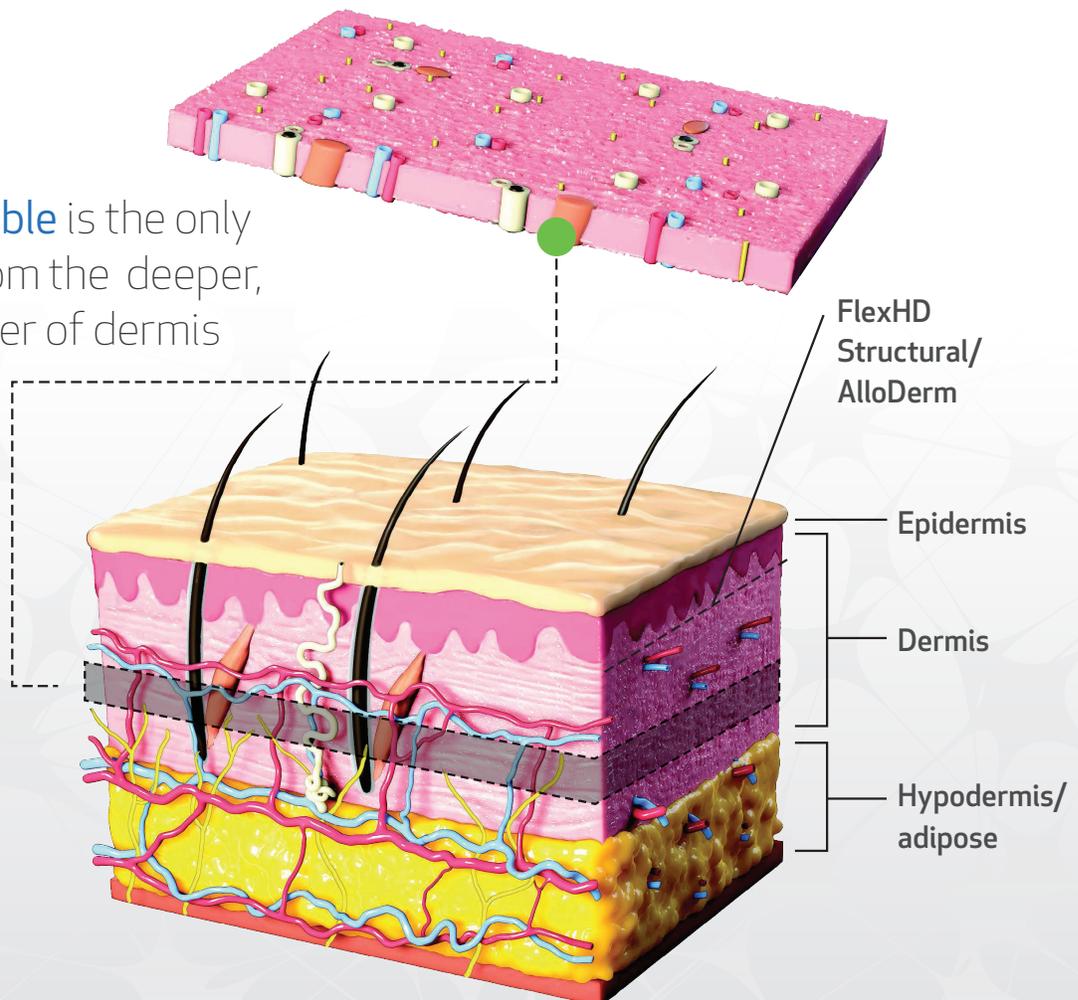
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FlexHD[®]

PLIABLE

Since **FlexHD Pliable** was introduced in 2012, over **100,000 grafts** have been implanted in patients during plastic and reconstructive procedures.

FlexHD Pliable is the only ADM cut from the deeper, reticular layer of dermis

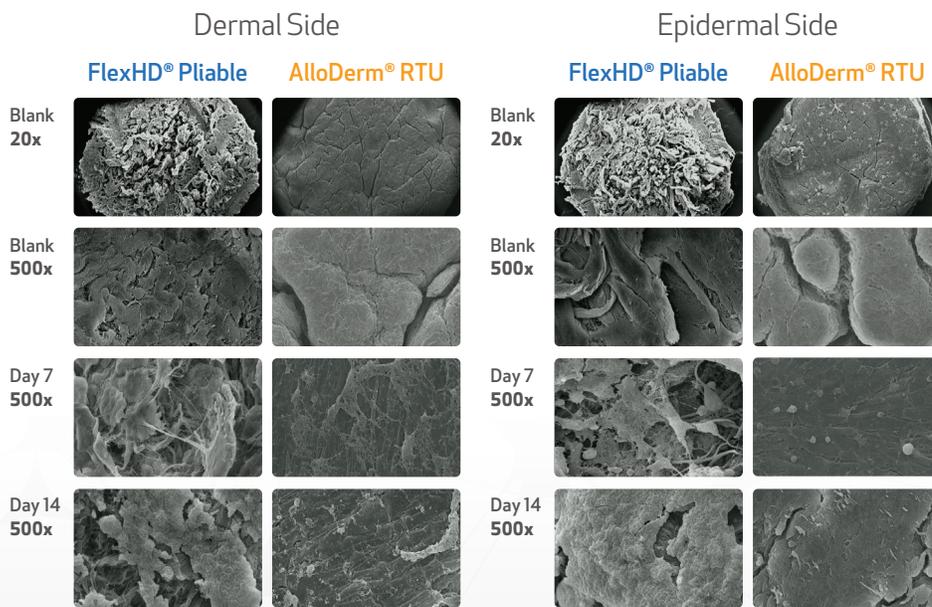
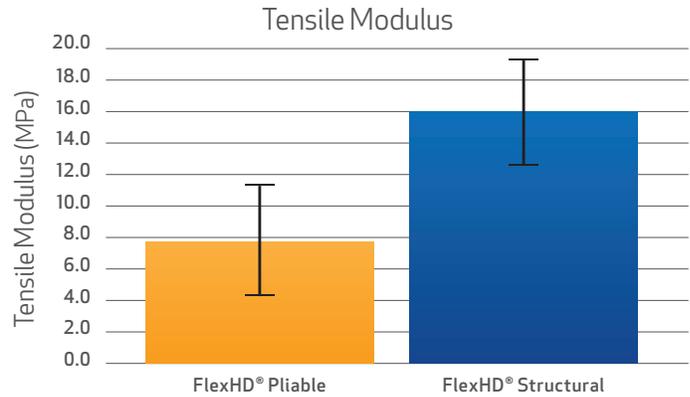


The Deeper Cut makes FlexHD Pliable Different

Exceptional Handling

Lower modulus of elasticity for enhanced pliability and conformability.

FlexHD® Pliable has significantly reduced tensile modulus compared to FlexHD® Structural ($P < 0.5$), demonstrating FlexHD® Pliable is less stiff compared to FlexHD® Structural.¹



Exceptional Performance

The more open and porous structure of the reticular layer may support cell attachment and a more extensive multi-layered matrix deposition than other ADMs.

SEM imaging demonstrates FlexHD Pliable readily supports fibroblast attachment and proliferation. By Day 7 and continuing through Day 14, a greater amount of new matrix is visible throughout FlexHD Pliable on both the dermal and epidermal sides compared to AlloDerm RTU. This may facilitate better graft integration and remodeling.

NO Sidedness

Uniform cell infiltration on both epidermal and dermal sides of FlexHD Pliable may support better graft incorporation and remodeling.



Fibroblasts readily infiltrated and formed new extracellular matrix on the dermal and epidermal sides of FlexHD® Pliable. Similar performance was not observed on AlloDerm® RTU.¹

¹ Nilsen, T. et. al. Do Processing Methods Make a Difference in Acellular Dermal Matrix Properties? Aesthetic Surgery Journal. 2016, 51-S16.

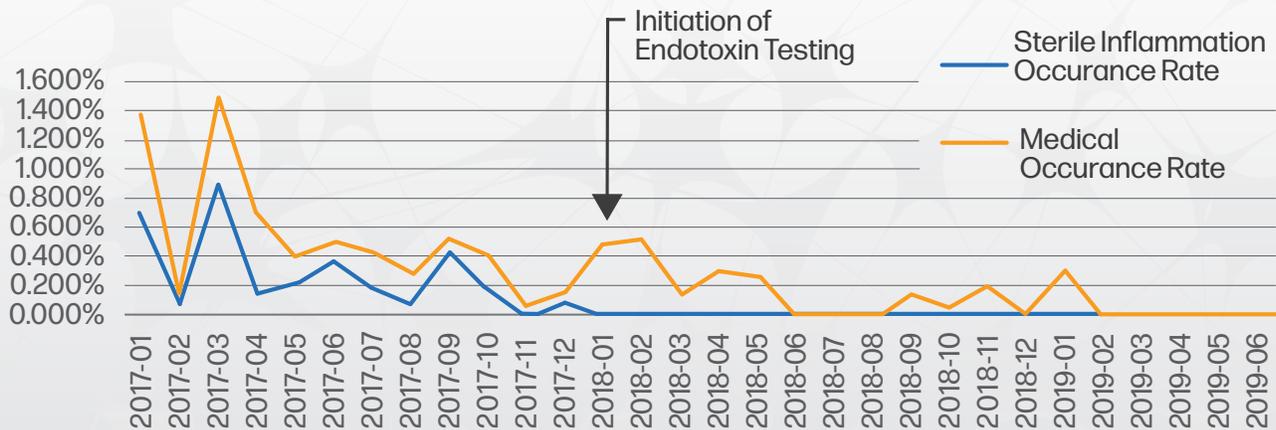


Additional testing to ensure safety & efficacy

MTF Biologics has among the strictest donor criteria of any tissue bank, accepting less than 2% of donated tissues.

In addition to ensuring graft safety by screening for infectious diseases, MTF also performs endotoxin testing via the kinetic Chromogenic Limulus Amebocyte Lysate (LAL) method that relies on extreme reactivity of horseshoe crab (*Limulus Polyphemus*) amebocytes to endotoxin. If the level of endotoxin is higher than the maximum accepted tolerance, FlexHD grafts from that donor will not be released for surgical use.

Since implementation in January 2018, the reported incidence of sterile inflammation in patients receiving an MTF acellular dermal graft has sharply declined, contributing to improved clinical outcomes.



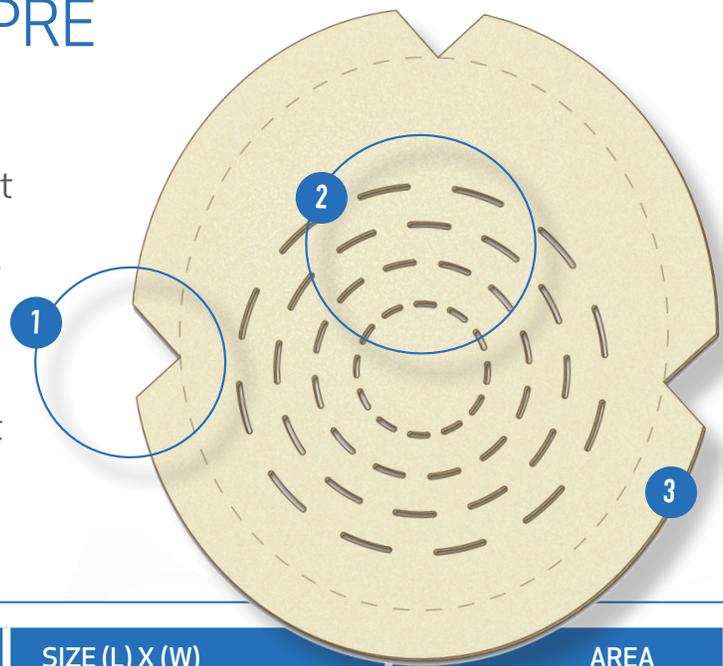
The graph above shows sterile inflammation and medical complaint rates for MTF dermal grafts for the period of Jan 2017 through June 2019. After implementation of LAL testing in Jan 2018, complaints for sterile inflammation dropped dramatically.



PREshaped Graft Features Intuitive Design for Ease of Use and Improved Patient Outcomes

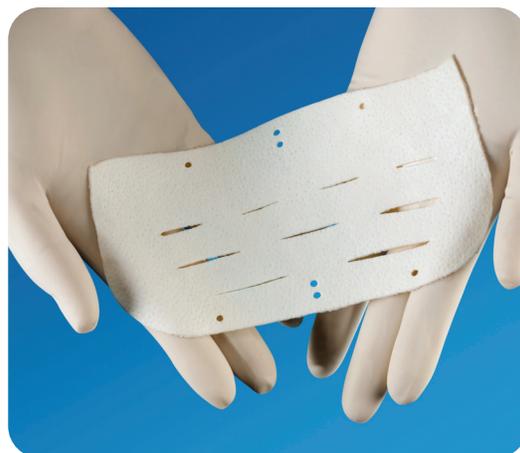
Each FlexHD Pliable PRE graft features:

- 1 **AXIS CUTOUTS** guide placement
- 2 **CONCENTRIC FENESTRATIONS** allow graft expansion
- 3 **FOLD-UNDER CUFF** provides superior reinforcement



FlexHD Pliable PRE

ITEM #	THICKNESS	SIZE (L) X (W)	AREA
PP0001	0.7-1.7 MM	S (17.5 CM X 20 CM)	268 SQ CM
PP2001	1.8-2.2 MM	S (17.5 CM X 20 CM)	268 SQ CM
PP1500	0.7-1.7 MM	M (19 CM X 22 CM)	322 SQ CM
PP1502	1.8-2.2 MM	M (19 CM X 22 CM)	322 SQ CM
PP0002	0.7-1.7 MM	L (21 CM X 24 CM)	389 SQ CM
PP2002	1.8-2.2 MM	L (21 CM X 24 CM)	389 SQ CM
PP0003	0.7-1.7 MM	XL (23 CM X 26 CM)	463 SQ CM
PP2003	1.8-2.2 MM	XL (23 CM X 26 CM)	463 SQ CM



FlexHD Pliable MAX

Engineered to **MAXimize** your plastic & reconstructive outcomes

The uniquely fenestrated design of FlexHD Pliable MAX provides **more flexibility and surface area**, minimizing office visits and OR time.

ITEM #	SIZE (L) X (W)	AREA
FN0816	8 CM X 16 CM	128 SQ CM



Reshaping the standards of Plastic & Reconstructive Surgery



More coverage where you need it most.

- Additional height to achieve sufficient arc length
- Better anatomic fit to ensure full apposition between the ADM and overlying skin, minimizing the risk of fluid accumulation
- Asymmetric wing for more lateral coverage



FlexHD Pliable **Shaped**, Thin
(0.7-1.7mm thick)

FlexHD Pliable **Shaped**, Thick
(1.8-2.2 mm thick)

ITEM #	SIZE (L) X (W)	AREA	ITEM #	SIZE (L) X (W)	AREA
SP0001 (XS)	9 CM X 15 CM	90 SQ CM	SP2001 (XS)	9 CM X 15 CM	90 SQ CM
SP1500 (S)	10 CM X 17 CM	117 SQ CM	SP1502 (S)	10 CM X 17 CM	117 SQ CM
SP0002 (M)	11 CM X 20 CM	148 SQ CM	SP2002 (M)	11 CM X 20 CM	148 SQ CM
SP0003 (L)	13 CM X 22 CM	189 SQ CM	SP2003 (L)	13 CM X 22 CM	189 SQ CM
SP0004 (XL)	15 CM X 24 CM	250 SQ CM	SP2004 (XL)	15 CM X 24 CM	250 SQ CM

FlexHD Pliable **Shaped**
Perforated, Thin (0.7-1.7mm thick)

FlexHD Pliable **Shaped**
Perforated, Thick (1.8-2.2mm thick)

ITEM #	SIZE (L) X (W)	AREA	ITEM #	SIZE (L) X (W)	AREA
SF1000 (XS)	9 CM X 15 CM	90 SQ CM	SF1002 (XS)	9 CM X 15 CM	90 SQ CM
SF1500 (S)	10 CM X 17 CM	117 SQ CM	SF1502 (S)	10 CM X 17 CM	117 SQ CM
SF2000 (M)	11 CM X 20 CM	148 SQ CM	SF2002 (M)	11 CM X 20 CM	148 SQ CM
SF3000 (L)	13 CM X 22 CM	189 SQ CM	SF2003 (L)	13 CM X 22 CM	189 SQ CM
SF4000 (XL)	15 CM X 24 CM	250 SQ CM	SF2004 (XL)	15 CM X 24 CM	250 SQ CM

Rectangles

From 1x2 to 20x20 size grafts,
WE'VE GOT YOU COVERED.

FlexHD Pliable grafts are available in **11 different sizes, and 2 thicknesses** as well as **perforated and non perforated options** to meet all your plastic and reconstructive needs.

FlexHD Pliable Thin, (0.7-1.7MM)

ITEM #	SIZE (L) X (W)	AREA
HP1102	1 CM X 2 CM	2 SQ CM
HP1204	2 CM X 4 CM	8 SQ CM
HP1407	4 CM X 7 CM	28 SQ CM
HP1412	4 CM X 12 CM	48 SQ CM
HP1416	4 CM X 16 CM	64 SQ CM
HP1616	6 CM X 16 CM	96 SQ CM
HP1816	8 CM X 16 CM	128 SQ CM
HP1208	8 CM X 20 CM	160 SQ CM
HP1220	12 CM X 20 CM	240 SQ CM
HP1620	16 CM X 20 CM	320 SQ CM
HP1202	12 CM X 20 CM	400 SQ CM

FlexHD Pliable, Thick (1.8-2.2mm)

ITEM #	SIZE (L) X (W)	AREA
HP2616	6 CM X 16 CM	96 SQ CM
HP2816	8 CM X 16 CM	128 SQ CM
HP2620	16 CM X 20 CM	320 SQ CM
HP2202	20 CM X 20 CM	400 SQ CM



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FlexHD Pliable Perforated grafts contain 2mm perforations in the lower third of the graft only, for **added protection against dehiscence** while ensuring:



- Better drainage and egress of fluid
- Better tissue in-growth and incorporation
- Reduced seromas
- O.R. time savings

FlexHD Pliable **Perforated**, Thin (0.7-1.7MM)

ITEM #	SIZE (L) X (W)	AREA
PF1616	6 CM X 16 CM	96 SQ CM
PF1816	8 CM X 16 CM	128 SQ CM
PF1208	8 CM X 20 CM	160 SQ CM
PF1220	12 CM X 20 CM	240 SQ CM
PF1620	16 CM X 20 CM	320 SQ CM
PF1202	20 CM X 20 CM	400 SQ CM

FlexHD Pliable **Perforated**, Thick (1.8-2.2mm)

ITEM #	SIZE (L) X (W)	AREA
PF2616	6 CM X 16 CM	96 SQ CM
PF2816	8 CM X 16 CM	128 SQ CM
PF2208	12 CM X 20 CM	160 SQ CM
PF2220	12 CM X 20 CM	240 SQ CM
PF2620	16 CM X 20 CM	320 SQ CM
PF2202	20 CM X 20 CM	400 SQ CM



Scan this QR Code to contact a member
of the MTF Medical Information team
with questions about FlexHD Pliable.



[mtfbiologics.org](https://www.mtfbiologics.org)



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