

Dafilon®

YOUR RELIABLE MONOFILAMENT PARTNER

Non-absorbable synthetic monofilament suture
made of polyamide

Dafilon®

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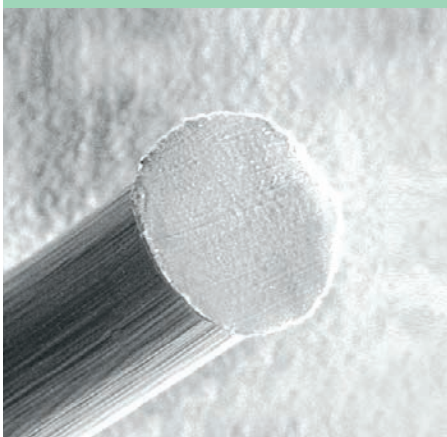
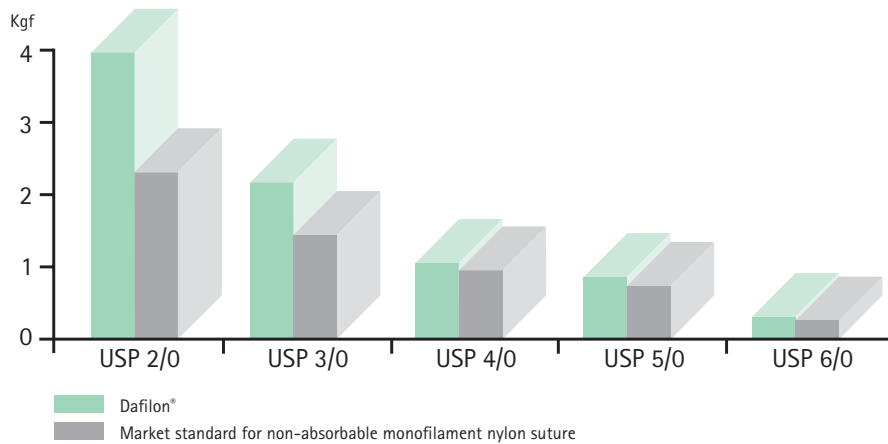
THE MONOFILAMENT ADVANTAGE

Dafilon® is a non-absorbable synthetic monofilament suture made of polymers polyamide 6/6.6 (dyed blue), polyamide 6.6 (dyed black) or polyamide 6 (undyed).

The main advantages of using monofilament sutures:

- The monofilament sutures appear to have the lowest infection promoting effects (1, 2).
- Compared with braided multifilament sutures, monofilaments exhibit less tissue drag and cause less tearing because of their smooth surfaces (3).
- Elasticity to ensure compact and safe knotting for USP 2/0 – 6/0 (4).

Simple Knot Pull Tensile Strength (4, 5)



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■ The wide range of thread sizes (USPs) combined with our new **Dermaslide®** needle conform the excellent character of this suture.



■ Wide range of USPs.
■ Wide needle-thread combinations.
■ Different thread colours.

THE BENEFITS OF Dafilon®

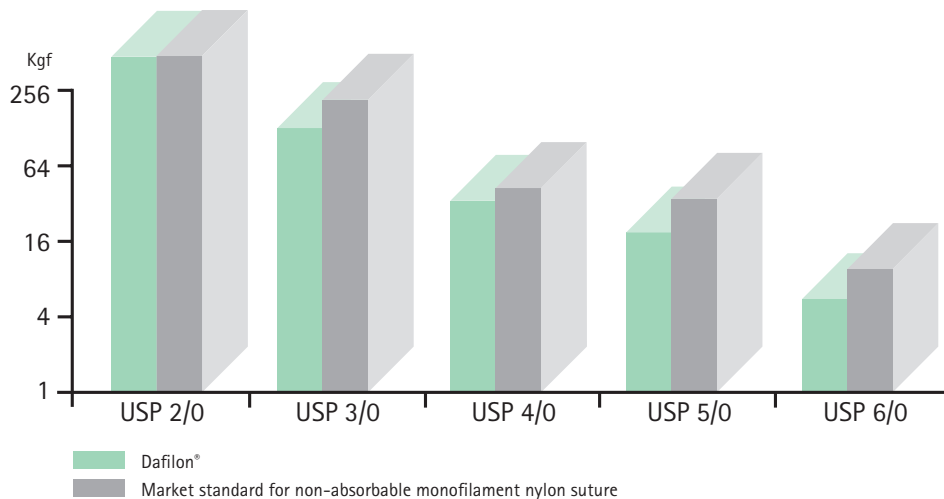
The monofilament sutures appear to have the lowest infection promoting effects. Compared with braided multifilament sutures, monofilaments exhibit less tissue drag and cause less tearing because of their smooth surfaces.

- Reliable knotting
- Good flexibility
- Good handling
- Excellent biocompatibility*
- Wide range of needle-thread combinations*
- Wide needle-thread combinations
- Good scar quality*
- Equivalent cosmetic appearance compared to other sutures and staples for skin closure*
- Comparable to coaptive film for skin closure in terms of wound complications and scar width*
- Low rate of suture-related postoperative complications after cataract surgery**

* For those USP from 2 to 6/0

** For those USP from 8/0 to 11/0

Flexibility (4)



INDICATIONS (6)

USP 5 to 6/0:

- Skin closure
- Oral surgery

USP 8/0 to 11/0:

- Microsurgery
- Ophthalmic surgery
- Microvascular
- Neural interventions

Dafilon®

NEW Dermaslide® NEEDLE: A DEFINITIVE CHOICE FOR THE GENTLE Dafilon®

FROM OUR FIRST REVERSE CUTTING TO THE OUTSTANDING Dermaslide® NEEDLE:

- Made from 300 series steel.
- Sharper after multiple stitches compared to a classical cutting needle (7).
- Flattened body prevents rotating in the needle holder (8).



THE REVERSE CUTTING NEEDLE TIP WITH PROGRESSIVE MICRO-POINT ENHANCES IT SO THAT EVERY PUNCTURE IS MADE WITH:

- Excellent tissue penetration (7).
- High bending performance (7).



DSMP

Dermaslide® New
Needle Generation
(DGMP)

- The DS needle was our first launch indicated for skin closure.

THE FLATTENED AND ENGRAVED BODY OF THE Dermaslide® NEEDLE PROVIDES:

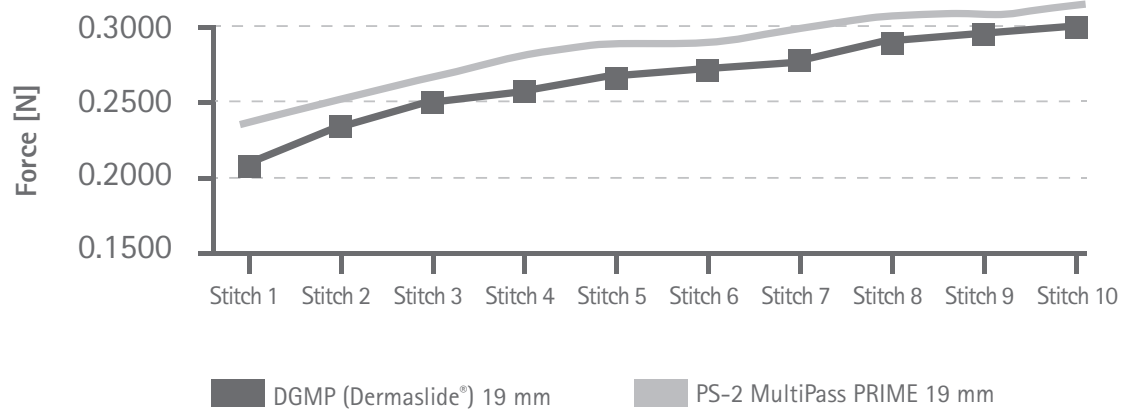
- Improvement in the stability of the needle in the grasp of the needle-holder (9).





- Improved tissue penetration (7).
- High bending performance (7).
- Sharper after multiple stitches compared to classical cutting needle (7, 8).
- Designed to improve the stability of the needle in the grasp of the needle holder (9).

Dermaslide® PENETRATION PERFORMANCE (11)



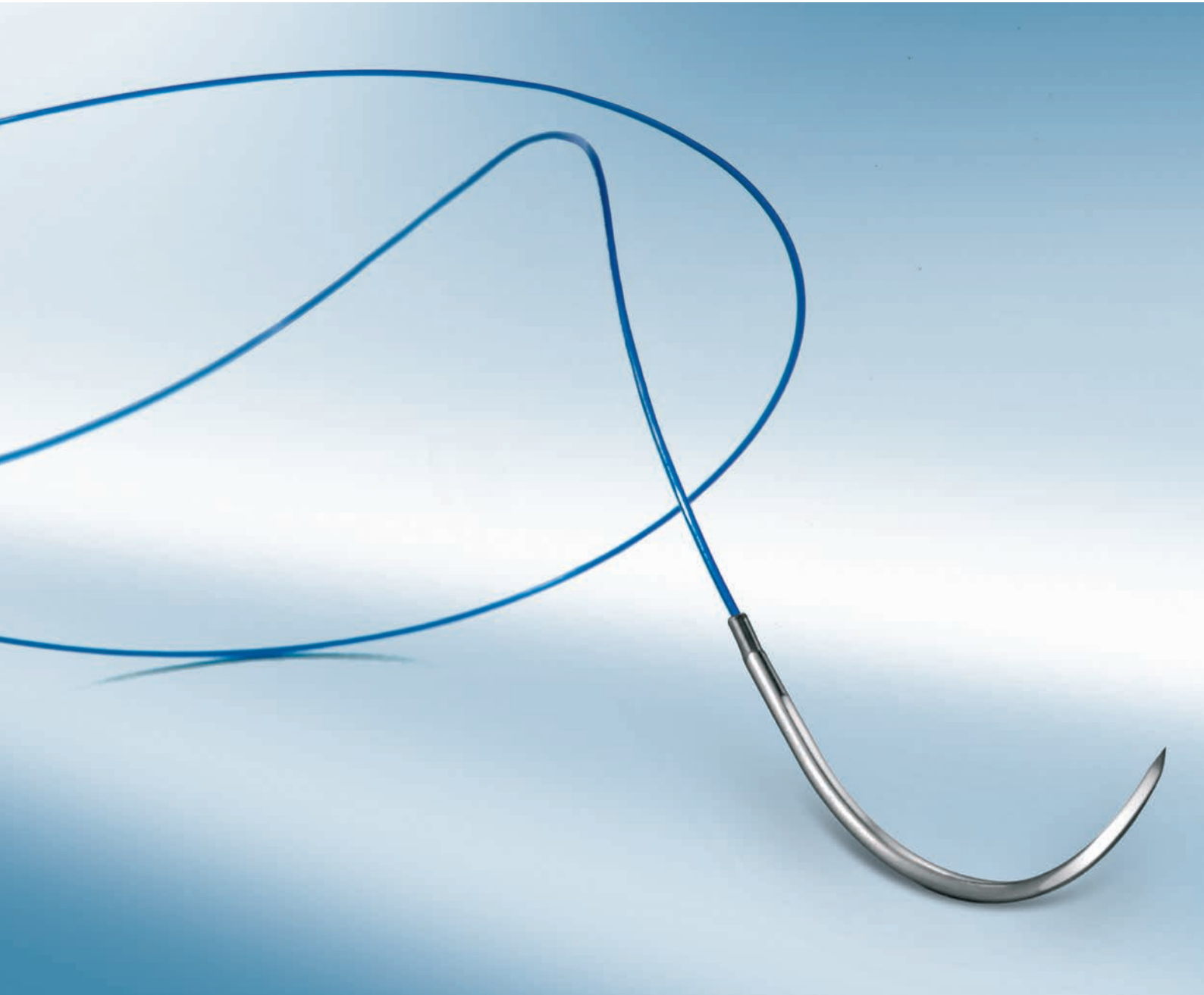
A surgical suture should include a needle-thread combination that guarantees high performance to a surgeon for the desired indication.

B. Braun has gone a step further by offering an innovative plastic surgery needle to combine with Dafilon®.



Dafilon®

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PRODUCT OVERVIEW























Dafilon®

Structure	Monofilament
Colour	Blue, black or undyed
Chemical composition	Polyamide
Coating	Uncoated
Origin	Synthetic
Sizes	USP 11/0 (metric 0.1) to USP 5 (metric 7)
Type of absorption	Non-absorbable
Sterilisation	Ethylene oxide for microsurgery (USP 11/0 – 8/0). Gamma irradiation (USP 6/0 – 5).



Dafilon®

NEEDLE-THREAD COMBINATIONS

















Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle round bodied needle								
 2xDR 10 	45 black	C1118002						
 DR 12 	75 blue				C0931071			
 DR 22  135°	75 blue					C0935285	C0935294	C0935296
Needle length mm	Thread length cm colour	USP (metric)						
1/2 circle round bodied needle								
 HR 10 	45 blue		C0930786					
 2xHR 17 	75 blue	C0938248						
 HR 22 	75 blue			C0930210				
 HR 26 	75 blue					C0930423	C0930431	
 HR 26s 	75 blue					C0930158		
 HR 30  loop	150 blue					C0937614		
 HR 30  loop	150 blue						C0933490	

C Box of 36 units

B Box of 24 units

















G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle round bodied needle								
 HR 30 	75 100 blue					C0930474 C0930601	C0930482	C0930490
 HR 30s 	100 blue						C0934860	
 HR 37 	75 blue				C0930701			
 HR 40 	75 blue						C0930539	
 HR 48 	75 blue							C0930741
Straight round bodied needle								
 2xGR 65 	90 blue					C0938505		
 2xGR 75 	75 blue					C0930040		
1/2 circle round bodied needle with trocar point								
 HRT 17 	75 undyed				C0916148			

Dafilon®

NEEDLE-THREAD COMBINATIONS









Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
3/8 circle reverse cutting needle								
 DS 9 	45 blue	C0932019	C0932020					
 DS 12 	45 75 45 60 75 90 blue	C0933066 C0934061 C0932060 C0935042	C0933074 C0932078 C0935050 C0934070 C0934067	C0932086 C0935069				
 DS 16 	45 75 45 60 75 90 120 blue	C0933112 C0932116 C0932108 C0935115	C0933120 C0932124 C0935123 C0935254 C0930006	C0933139 C0932132 C0935131 C0930165	C0935106 C0932140 C0935107			
 DS 19 	45 75 45 75 90 blue		C0933198 C0933236 C0932191 C0935190 C0935255	C0933201 C0933244 C0932205 C0935204 C0935220	C0933210 C0933252 C0932213 C0935212 C0935239	C0932221 C0935213 C0935247	C0935181	
 DS 24 	45 75 45 75 90 120 blue		C0932317	C0933341 C0933384 C0932345 C0935344 C0935310 C0930007	C0933350 C0933392 C0932353 C0935352 C0935328 C0930105	C0933368 C0933406 C0932361 C0935360 C0935336 C0930008	C0932370 C0935379 C0935387 C0930009	C0935380
 DS 30 	45 75 45 75 90 120 blue			C0932441 C0932450	C0933422 C0933457 C0932469 C0935468 C0934410	C0933430 C0932477 C0935476 C0935522	C0933465 C0932485 C0935484 C0934391 C0930011	C0932493 C0935492 C0934429
 DS 35 	75 90 blue				C0934780	C0932809 C0934801	C0934810	C0930095 C0934836
 DS 39 	45 75 90 blue			C0932531	C0932540	C0932545 C0932558 C0934569	C0932566 C0934573	C0932574 C0934577

C Box of 36 units

B Box of 24 units























G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)						
		4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)	3 (6)
3/8 circle reverse cutting needle								
 DS 45 Easyslide	75 100 blue			C0932850 C0935859				
 DS 48 Easyslide	75 blue			C0932582				
 DS 76 Easyslide	50 100 blue		C0932272	C0932280			C0932650	
 DS 90 Easyslide	100 blue			C0934917	C0934909	C0934925		
Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle reverse cutting needle								
 HS 15 Easyslide	45 60 75 blue	C0936028	C0936593	C0932507	C0935410			
 HS 21 Easyslide	75 90 blue			C0932876	C0932884	C0932873		
 HS 26 Easyslide	45 75 90 120 blue		C0934406	C0935948	C0935963 C0932957	C0935964 C0934968 C0930104	C0932973	
 HS 30 Easyslide	75 90 120 blue				C0935000 C0934003 C0930003	C0934011	C0935002 C0934020 C0930004	C0935034 C0934038

Dafilon®

NEEDLE-THREAD COMBINATIONS

















Needle length mm	Thread length cm colour	USP (metric)						
		6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)
1/2 circle reverse cutting needle								
 HS 37 	90 blue						C0934054	C0934046
 HS 40 	75 90 blue						C0932760	C0932779 C0932787
 HS 48 	75 90 blue						C0932612	C0932620 C0932604
Straight reverse cutting needle								
 GS 45 	45 blue					C0932736		
 GS 51 	75 90 blue			C0935590	C0935603	C0935611	C0935530 C0935565	C0935573
 GS 60 	75 undyed 75 90 blue			C0932647	C0932655 C0934658	C0932663 C0934690	C0934691	
 GS 65 	90 blue			C0935557	C0935646	C0935654		C0935735
 GS 75 	75 blue						C0932710	
3/8 circle trapezoidal micro engraved with precision point								
 DGMP 11 	45 blue		C0933908					
 DGMP 13 	45 blue		C0933906	C0933903				
 DGMP 16 	45 75 blue		C0933907	C0933909 C0933904	C0933902			

C Box of 36 units

B Box of 24 units











G Box of 12 units

M Box of 6 units

Needle length mm	Thread length cm colour	USP (metric)							
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	
3/8 circle Trapezoidal micro engraved with precision point									
	DGMP 19 	45 75 blue				C0933911	C0933910 C0933905	C0934008 C0933901	
	DGMP 24 	45 75 blue					C0934006 C0934007	C0934004 C0934005	
3/8 circle reverse cutting needle with precision point									
	DSMP 6 	15 black	C1118001						
	DSMP 7 	45 blue			C0930018				
	DSMP 11 	45 75 undyed 45 blue			C0916122 C0916022	C0936022	C0936014		
	DSMP 13 	45 75 undyed 45 blue			C0916081	C0916133 C0916033	C0916134		
	DSMP 16 	45 75 undyed 45 75 blue			C0912242	C0916143 C0916043	C0916144 C0916044		
	DSMP 19 	45 75 undyed 45 75 blue			C0936226	C0912247 C0936227	C0916154 C0916054 C0936235 C0936731	C0916155 C0916055 C0936243 C0936740	C0936251

Dafilon[®]

NEEDLE-THREAD COMBINATIONS

Needle length mm	Thread length cm colour	USP (metric)						
		8/0 (0.4)	7/0 (0.5)	6/0 (0.7)	5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)
3/8 circle reverse cutting needle with precision point								
 DSMP 24 	45 75 undyed					C0916308	C0916165 C0916065	
	45 75 blue			C0936280	C0936294		C0936839	C0936316 C0936812
 DSMP 30 	75 blue						C0936952	C0936378
 DSMP 39 	75 blue							C0934570
1/2 circle reverse cutting needle with precision point								
 HSMP 15 	45 undyed				C0916618	C0916626		
	45 blue				C0936618	C0936626	C0935418	
1/4 circle lancet needle with micro-point								
 2xVLM 8 	45 blue				C0938106			

C Box of 36 units

B Box of 24 units

G Box of 12 units

M Box of 6 units

	Thread length cm colour	USP (metric)						
		5/0 (1)	4/0 (1.5)	3/0 (2)	2/0 (3)	0 (3.5)	1 (4)	2 (5)
Pre-cut sutures								
3 threads of 45 cm	3 x 45 blue				C0436275	C0436283		
2 threads of 100 cm	2 x 100 blue		C0431249	C0431257	C0431265	C0431273	C0431290	
1 thread of 150 cm	1 x 150 blue			C0432059	C0432067			

- (1) Mangram AJ, Horan TC, Pearson ML, Silver LC, Jarvis WR. Guideline for prevention of surgical site infection 1999. Hospital Infection Control Practices Advisory Committee. *Infect Control Hosp Epidemiol.* 1999;20(4):250-78.
- (2) Choi HJ, Chae HD. Comparison of E. Coli infiltration between new synthetic absorbable sutures. *J Korean Surg Soc.* 2009;77(1):1-6.
- (3) Im JN, Kim JK, Kim HK, Lee KY, Park WH. Characteristics of novel monofilament sutures prepared by conjugate spinning. *J Biomed Mater Res B Appl Biomater.* 2007 Nov;83(2):499-504.
- (4) Data on file (PTR/02/FF/0531/JLT 23/01/06).
- (5) Data on file (RDR/02/FF/1301/JLT 09/01/13).
- (6) IFU Dafilon®.
- (7) B. Braun Test Report 113_139/A Benchmark Cosmetic Needles: Ethicon – Covidien –SetR.
- (8) B. Braun Test Report 113_134/A Benchmark Cosmetic Needles: Evolution MANI.
- (9) B. Braun RetD Testing Services Report (RDR-22-13110-FJB-CMY).
- (10) Data on file (2013), determined by Penetration measurement protocol SXMAD/05/A 20/03/06.

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