

INDERMIL® flexifuze™ wound closure strength

How does the wound closure strength of INDERMIL® flexifuze™ compare to other topical tissue adhesives on the market?

Background

Wound closure strength is one of the main characteristics of a topical tissue adhesive. A sufficiently strong adhesive will reduce the risk of wound dehiscence and wound infection.

Objective

To demonstrate the superior wound closure strength of INDERMIL® flexifuze™ using a suitable test methodology: ASTM F2458 - 05

Testing

A number of competitor products were tested using the above test methodology.

Test set-up:

The test media used in the above test methodology is porcine skin as it is the most representative animal model.

Conclusion

Indermil flexifuze can achieve a very high bond strength, as high as 43N

which is higher than all other commercially available topical tissue adhesives tested here. The average value of 21.52N was also the highest value when compared to the other adhesives. Based on the data INDERMIL® flexifuze™ is the strongest and as such may be the least prone to dehiscence and infection as a result.

Results

