

Type	Improved wound healing	Absence of pain	Fluid handling properties	Physical properties	Page
In-vitro			●		52

Wicking

Laboratory Testing carried out at B. Braun Hospicare
Data referenced in BBH 301PTDF REV004

Background and objective

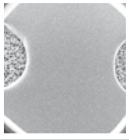
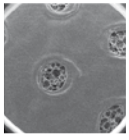
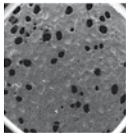
Askina® DresSil's silicone wound contact layer is perforated to allow exudate to pass through to the foam layer, preventing exudate leaking onto the surrounding skin and maceration of the wound edges.

The objective of this study was to determine the wicking properties of Askina® DresSil and to compare them with market leading competitor products.

Method

The same quantity (1 ml) of test liquid was placed on the surface of the dressing samples. The time needed for the liquid to be completely absorbed is measured.

Results

Product	Company	Type of perforation in the silicone layer	SEM image	Wicking time
Askina® DresSil	B. Braun	"Flower" pattern		38 sec
Mepilex®	Mölnlycke	Continuous flood coating with microscopic holes		3 min
Allevyn® Gentle	S&tN	Uniform pattern of holes		> 60 min

The table resumes the wicking time of tested dressings with SEM images of the silicone layers. The wicking time of Askina® DresSil is the best among the tested dressings.

Conclusion

The distinctive design of Askina® DresSil's silicone contact - "flower pattern" holes in the coated adhesive enables very quick and vertical absorption of the exudate.