

## Healthcare Materials

### TECHNICAL SALES BULLETIN

November 2007

#### DermaBak<sup>®</sup> Advanced Dermal Materials - Low Coefficient of Friction DermaBak F110 Specially Designed to Reduce Dressing Soiling and Curling

Coefficient of friction (COF) is a measure of the force of friction between two surfaces. The lower the coefficient of friction, the less force that is required to slide across the surface. Dressings designed to have a low coefficient of friction will minimize friction on contact with the outward facing surface, reducing possible snags and edge curling during regular wear. DermaBak<sup>®</sup> F110 foam membrane is specifically designed to have a very low surface COF, while maintaining the critical properties of a durable, breathable wound dressing backing.



The COF of DermaBak advanced dermal materials was tested using a standard method.<sup>(a)</sup> DermaBak F110 foam membrane provides an extremely low COF of 0.25, lower than other known medical-grade backings, including *film* backings, and far lower than any commercially available *foam* backings. This very low COF enables the design of dressings with a reduced tendency to (1) snag on clothing and bed linens and (2) become stained and soiled. When wound dressings begin to curl at the edges, the adhesive barrier between the dressing and the skin is breached, leaving the wound vulnerable to contamination and infection. Most soiling agents will slide right off of DermaBak F110 foam membrane, well before it can stick to or stain the dressing. See the "Low Staining and Soiling" Sales Bulletin (Publication #10-047) for more information on how DermaBak products inhibit staining on contact.

For more information on DermaBak Advanced Dermal Materials and Rogers' line of PORON Medical<sup>®</sup> Urethane Foam products and BISCO<sup>®</sup> Silicone Healthcare Materials, please visit [www.rogerscorporation.com/hpf](http://www.rogerscorporation.com/hpf).

To order literature or samples in North America, contact the Rogers Solutions Center at either (800) 935-2940 or (607) 786-8112. In Europe, contact the Rogers Sales Office at +32.9.2353611. In Asia, contact the Rogers Sales Office at +86.21.63916088.

**Note:** (a) In our testing, steel is used as the friction surface. In some cases, COF is tested against cotton rather than steel. While, for wound care applications, cotton could be considered more applicable, using steel as the friction surface results in better differentiation among test specimens. Data for COF against cotton is available upon request.

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**The world runs better with Rogers.<sup>®</sup>**

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