

Healthcare Materials

PRELIMINARY PRODUCT DATA SHEET

DermaBak® Advanced Dermal Materials

Typical Physical Properties	Test Method	F110	F120
Material		Foam membrane	Foam membrane on liner
Color		Natural	Natural
Design Objective		Minimum coefficient of friction, minimum staining and soiling	Maximum breathability, drapability and softness
Standard Thickness, mm (inch) ^a		0.41 (0.016)	0.41 (0.016)
Standard Width, mm (inch)		1,372 (54)	1,372 (54)
Density, kg/m ³ (lb/ft ³)	ASTM D 3576	480 (30)	480 (30)
Water Vapor Transfer, Typical, grams/m ² /24hr (@ 37°C, 0% RH)	Based on ASTM E 96 Upright	1,750	2,750
	Inverted	No leakage	No leakage
Bacterial Barrier	EN 13726-5, Semi-Wet Method (7 days)	Pass	Pass
Coefficient of Friction ^b	ASTM D 1894	0.25 - Extremely low	1.2 - Very low
Gloss, @ 85 degrees of incidence ^b	ASTM D 523	2.1 - Very low gloss	11 - Low gloss
Drape, Tensile Load @ 20% Elongation, psi	ASTM D 3574	48 - Very good drape	26 - Excellent drape
Tensile Strength, kPa (psi), Typical	ASTM D 3574	1,450 (210)	1,850 (270)
Elongation, %, Typical	ASTM D 3574	210	280
Tear Strength, pli, Typical	ASTM D 3574	30	29
Biocompatibility			
Primary Skin Irritation	ISO 10993/ FDA G95	Pass	Pass
Cytotoxicity	ISO 10993/ FDA G95	Pass	Pass
Maximization & Sensitization	ISO 10993/ FDA G95	Pass	Pass

Notes: * Metric conversions are approximate.

(a) DermaBak advanced dermal foams will be available in thicknesses from 0.38mm to 1.5mm (0.015 to 0.060 of an inch.)

(b) Coefficient of friction and gloss are tested on the bottom surface of the foam, intended as the non-skin contact side

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