



Baymedix® FP512 prepolymer for hydrophilic foams

Baymedix® FP aliphatic prepolymers offering unique features to drive innovation and differentiation of hydrophilic polyurethane foams in advanced wound care applications and beyond

Baymedix® FP



Baymedix® FP512

Baymedix® FP512 aliphatic isocyanate prepolymer enables a more sustainable production of hydrophilic foams. The lower water content of the foam production process reduces energy cost and allows the efficient manufacturing of combination products (foam & backing film).

PROPERTY	BAYMEDIX® FP512
NCO content	5.5 – 7.5%
Viscosity at 23°C	4,000 – 10,000 mPa·s

Hydrophilic foams based on **Baymedix® FP512** show excellent mechanical characteristics combined with capabilities to optimize moisture management in modern wound dressings or wound prevention dressings.

Key features of foams based on Baymedix® FP512

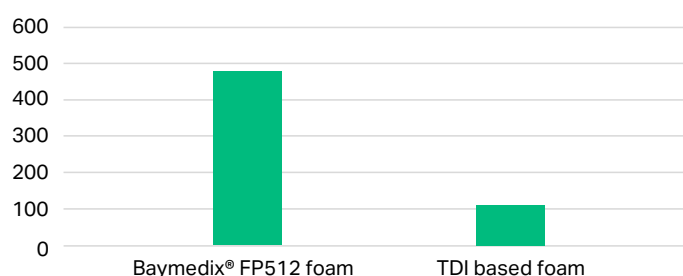
- Excellent wet strength
- Excellent retention
- High absorption
- Compatible with common sterilization methods
- Durable white (non-yellowing)

Properties of foams based on Baymedix® FP512

PROPERTY	BAYMEDIX® FP FOAM
Foam density (g/l)	80~100
Absorption* (g/g)	max. 1,800%
MVTR* (g/(day · m²))	> 3,000
Retention (6 kg, 20 s)	up to 50%
Swelling in saline solution (vol %)	~100

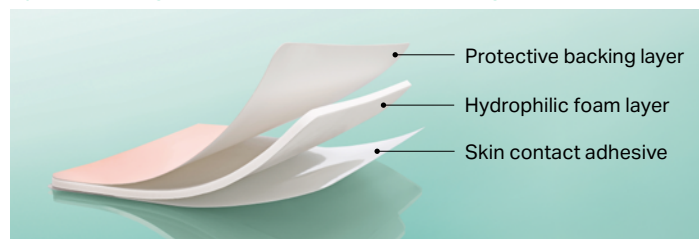
*according to DIN EN 13726-1 Part 3.2/3.3

Wet elongation at break (%)*



*according to DIN EN ISO 527

Typical design of modern wound dressing



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¹Please see the "Guidance on Use of Covestro Products in a Medical Application" document.

Edition: 2025



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