



## Baymedix® FP Prepolymers for Hydrophilic Foams. Excellent Retention and High Absorption.

Hydrophilic foams based on Baymedix FP polyurethane prepolymers show excellent retention and high absorption of fluids, optimizing moisture management in modern wound dressings and beyond. Covestro especially developed Baymedix FP aliphatic materials offering unique features to drive innovation and differentiation in Advanced Wound Care.

**Baymedix®**

### Key Features of Foam based on Baymedix® FP:

- Excellent retention > 60%
- High absorption
- Smooth and soft touch
- Non-yellowing
- Compatible to gamma-sterilization



## Product Properties

Property	Baymedix® FP
NCO content	4.95–5.65%
Viscosity at 23°C	3.600 mPa · s*
Monomer content	≤ 0.29%

\* Baymedix® FP505

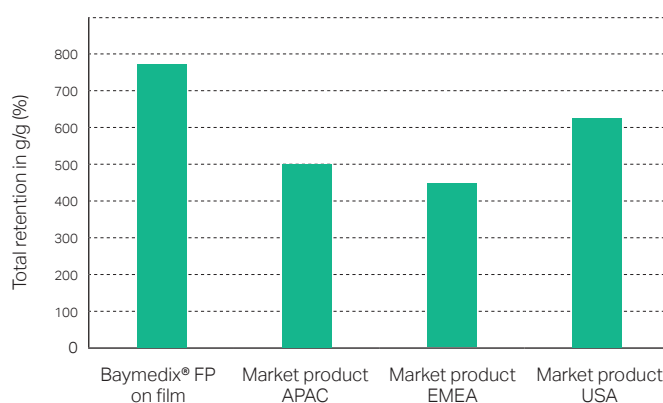
- Aliphatic isocyanate prepolymers
- Low monomer prepolymer improves occupational health and safety
- Easy processing due to low viscosity
- Lower water content reduces energy costs and enables manufacturing of combination products

## Foam Properties (Examples)

Property	Baymedix® FP FOAM
Foam thickness (mm)	5.0
Foam density (g/l)	120~150
Absorption* (g/g)	max. 1,900%
MVTR* (g/(day · m²))	> 3,000
Retention (6 kg, 20 s)	up to 60%
Swelling in saline solution (vol%)	up to 180

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

## Total Retention



Excellent fluid retention compared to market products (non-adherent wound dressings, foam/film-combination), test method: 6 kg weight, 20 s after max. absorption

## Typical design of modern wound dressing:



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