

# Viebahn Foam

- structural micro foam with minimally opened cell structure
- mechanically closed surface (in mould coating)
- variable density (application-oriented)

**Product group:** Structural micro foam - PU

**Product name:** Viebahn Foam

**Application:** Technical moulded parts  
Transport & storage technology

**System properties:**

- Outstanding ability to adapt any contour of part
- Excellent cushioning and damping properties
- Delayed return to the starting position
- Hydrophobic (=water repellent)
- Impressive cut resistance  
(enhanced with optional film coating)

**Fire classification:** B2 and B3 (DIN 4102) or E according to DIN EN 13501-1

**Propellant:** None

**Density [kg/m<sup>3</sup>]:** 400 - 700

**Hardness (Shore 00)** depending on adjustment of the system

**Elongation at break:** 450% (DIN 53504)

**Tear strength:** 20N/mm (DIN 53515)

**Abrasion:** 60 mg (DIN 53516)

**Abrasion of film:** 0 mg (DIN 53516)

**Resistance:** Viebahn Foam resists common solvents and plasticizers (those that might occur in gaskets or geo-membranes) and is also rot-proof and age resistant

**Longevity:** Durable product quality over a period of 15-20 years

**Aspects of medical:** No harmful properties are expected

**Remark:** To identify specific skills and resistance as well as the health safety of individual applications we recommend to make appropriate tests

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## Advantages Overview:

- ✓ Viebahn Foam adapts to any contour given:
  - Foam's density and shape are specifically designed for the part's weight and shape to create the ideal nesting pod
- ✓ Potential elimination of a hold-down device
- ✓ Excellent cushioning and damping properties:
  - progressive shock absorption
  - delayed return to the starting position
- ✓ Displacement and form fitting prevent cutting
- ✓ Abrasion-resistant outer skin
- ✓ Hydrophobic, excellent UV and temperature resistance
- ✓ Possible combination with other materials (2K; over-mould)
- ✓ Cut resistance due to system:
  - Enhanced by optional film coating

