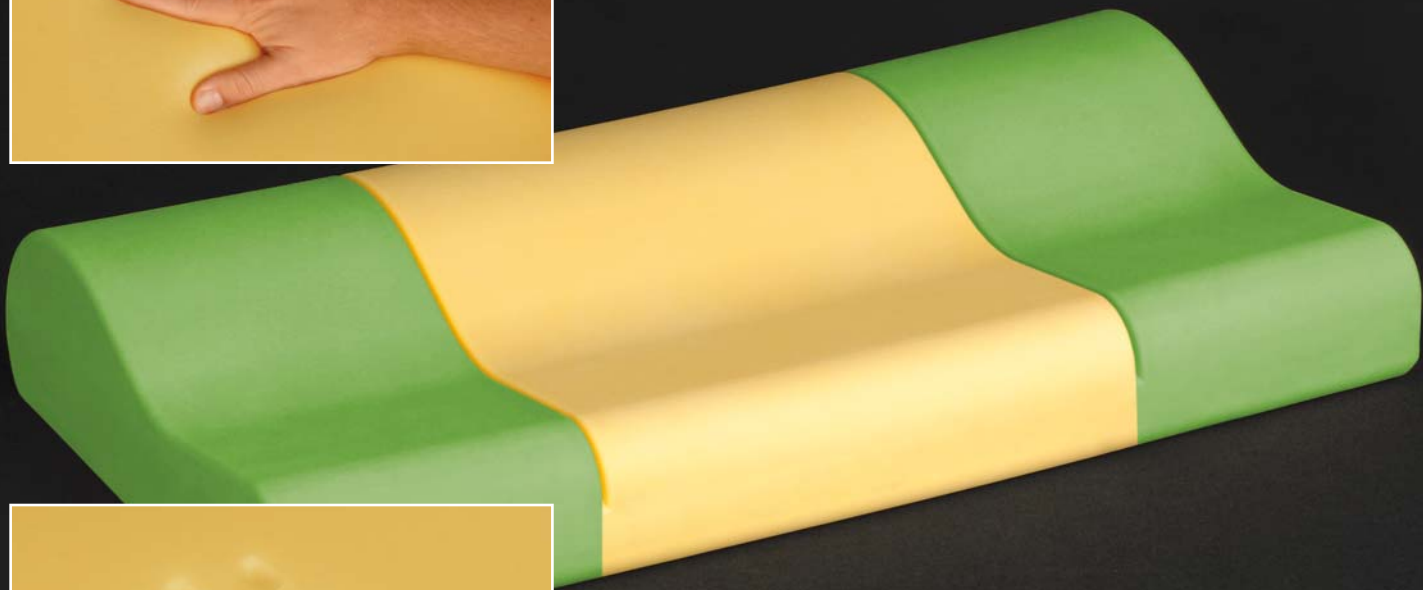


Otto Bock[®]

BEST IN FOAM



Otto Bock Schaumsysteme GmbH Visco-elastic Flexible Foam Systems

Premium systems for a wide range of uses in the manufacturing of PUR moldings



BEST IN FOAM

■ Visco-elastic Flexible Foam Systems

Foam parts with adjustable resetting properties to create defined pressure distribution.

- Visco-elastic characteristics and adjustable specific gravity
- Water-based blowing agent
(without volatile hydrocarbons or halogenated blowing agents)
- Flame retardant systems
- Color adjustments possible in response to specific requirements

Main fields of use:

- Medical and orthopedic engineering (anti-decubitus-supply)
- Pillows and mattresses
- Leisure products

Technical properties:

- Low-emission, low-odor (well-suited for pillows)
- Direct foam backing of textile and surface materials
- Flame retardants upon request

Mechanical properties:

- | | | |
|---|-----------|--------------------------|
| • Bulk density [kg/m ³] | 50 – 100 | |
| • Compressive strength [kPa] | 1.0 – 30 | (temperature-dependent) |
| • Hysteresis-loss [%] | 45 – 65 | (temperature-dependent) |
| • Tensile strength [kPa] | 55 – 160 | |
| • Ultimate elongation [%] | 100 – 180 | |
| • Compression set at 75 % compression [%] | 1 – 8 | |
| • Ball rebound with 4.5 g ball [%] | 2 – 8 | |

Processing:

- Machine processing on high- and low-pressure equipment
- Open/closed processing possible
- Heated tools from 50 – 60 °C
- Adjustable reaction times
- Mold removal times between 3 and 10 minutes

Delivery units:

- Disposable barrels
- Containers
- Other delivery units upon request

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