



✓ PROPERTIES

Chemical resistance

Good resistance to most chemicals, especially petrol and oils. Organic solvents sometimes cause swellings which completely disappear after flashing off.

Light ageing

Like all aromatic polyurethanes, PUR soft foam materials have a tendency to be discoloured yellow, which normally does not affect the physical properties. The heavier a foam material is, the lower the degree of discoloration. Yellowing of the foam material does not affect the mechanical properties.

Temperature resistance

The operating range of polyurethane foam materials is between - 40°C bis + 120°C (continuous operating temperature), temporarily even up to 170°C.

Flammability

Most products comply with the motor vehicle safety standard MVSS 302.

Physiological safety

PUR soft foam materials are classified as physiologically safe. The products comply with the RoHS directive and the REACH ordinance.

✓ CONTROLLABLE PHYSICAL PROPERTIES

Density: from 30 to 650 kg/m³

Thickness: from 0,12 mm

Ultimate elongation: up to 500 %

Tensile strength: up to 3.400 kPa

Hardness: up to 1.000 kPa

Pore structure: open cell/mixed cell/closed cell

Air permeability

✓ DIFFERENTIATION BETWEEN

- Compressed foam ester-based
- Compressed foam ether-based