



Surface treatment of PUR ester or ether foam materials defines their acoustic effectiveness in the individually required frequency range and adapts the foam material to the physical loads of its area of application. Ester foam materials are suitable for use in dry environments, ether foam materials are suitable for use in moist environments.

Physiological safety

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

✓ CONTROLLABLE 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 when exposed to UV, which normally does not affect the physical properties.

Temperature resistance

The operating range of polyurethane foam materials is between -40°C and +100°C (continuous operating temperature), and even up to 170°C for short periods.

Flammability

The products can be optionally equipped according to the automotive standard FMVSS 302.

✓ DELIVERY FORMS

Rolls

- length: MOQ 60 linear metres or multiples thereof
- width: depending on the product 1.000 or 1.100 mm
- thickness: individual 10 mm to 50 mm
- other dimensions on request

Sheets/cut to size parts and stamped parts

- on request

Off-tool embossed parts (2D)

- partial embossing with hot embossing method
- according to drawing (2D/3D data)
- maximum dimensions: approx. 1.500 x 1.300 mm
- low tool costs
- simple assembly
- in-line embossing-stamping processes possible
- fixing systems depending on the application: self-adhesive finish with acrylate or hot-melt adhesive

✓ DIFFERENTIATION BETWEEN

- acoustic foam coated
- acoustic foam compressed/embossed
- acoustic foam laminated