

FENOFOAM Integral Skin Foam & Semi-Rigid Foam Systems



Molded parts made of Fenof foam HFO-based integral skin foam systems are characterized by a compacted, dense outer skin. The so-called "integral skin" is generated by the use of physical blowing agents. This protects the softer foam core from external influences and guarantees excellent scratch and abrasion resistance as well as high resistance to moisture and various chemicals. The surface hardness of such PUR integral foams can be varied over the entire Shore A hardness range, so that the end properties can be directly adapted to the customer's application.

Fenof foam semi-rigid foam systems, on the other hand, are purely water-blown systems. A major advantage of these formulations is the more favorable environmental profile (no physical blowing agents). The end properties of the molded parts can be adjusted extremely precise and uniform across the entire cross-section. This results in high-quality PUR semi-rigid foams that stand out for their very high scratch/abrasion resistance and excellent resistance to many external influences.

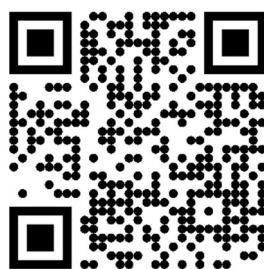
Main Applications

- Seating furniture & armrests (e.g. office chairs)
- Automotive (for gear knobs, steering wheels)
- OP/medical couches (also viscoelastic)
- Sports & leisure articles (e.g. floor mats)
- Filter applications

Properties & Benefits

- Flexibly adjustable properties
- Variable Shore hardness
- High scratch & abrasion resistance
- Compliant with F-Gas regulation
- Optional flame-retardant finish

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About FENOS

Fenos AG is a system house specializing in the formulation and application of PUR foam systems and hotmelts. With its headquarters near Stuttgart, Fenos AG reliably supplies and supports its customers all over the world.

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