



The Chemical Company

Product Information

Elastoflex[®] and Elastoflex[®]

Flexible Polyurethane Foams

BASF flexible foams (molded flexible foams and flexible integral skin foams) have been a favorite material for armrests, headrests, and seat cushioning because they are lightweight, durable, and moldable to almost any shape, size, and level of firmness. A variety of density and hardness combinations can provide an impressive strength-to-weight ratio and excellent resistance to chemicals and fluids.

BASF flexible foam technology offers interior manufacturers a way to create seat cushioning, seat backs, armrests, and headrests at precisely different levels of comfort—all from one system and using the same equipment.

Features

- Superior comfort
- Light weight
- Design flexibility
- Process friendly

Elastoflex molded flexible foam for seat cushioning and head rests

BASF molded flexible foams are helping manufacturers meet performance demands without adding weight. Their ability to be molded into a variety of shapes makes them a good fit for unique or irregular parts design. Using pressure mapping technology, the foams can be tailored to meet specific comfort needs. Products based on molded flexible foam require an outer layer cover stock for their final appearance.

Molded flexible foam combined with a suitable flame resistant cover stock can be used for seat bottoms and head

rests that are durable, comfortable, and meet the rigorous requirements of the aerospace industry.

Elastoflex flexible integral skin foam for armrests

Final products made out of BASF flexible integral skin foams in a one-step process do not require cover stock. They are characterized by a lower density inner foam core and a higher density outer foam “skin,” and can be custom-formulated to produce detailed or textured product surfaces and embossing in the one-step manufacturing. The resulting material is highly impact and abrasion resistant and has good tensile strength.

BASF custom-formulated integral skin foams are ideal to use as highly durable and comfortable armrests. A variety of density and hardness combinations can provide an impressive strength-to-weight ratio and excellent resistance to chemicals and fluids. Molded foams as well as flexible integral skin foams each provide a unique value proposition for a variety of design and production requirements.

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