GOMEX®

Product Information

Special Advantages

- Complex molded parts to customer specifications.
- Wide choice of elastomer materials.
- Metal-elastomer composites offering outstanding stability.
- Outstanding quality.

Elastomer and elastomer-metal composite molded parts for a wide range of industrial and technical applications.

DEKOTEC GmbH stands for experience, quality and reliability in the field of corrosion prevention and sealing technology. The success is based on the development of the Petrolatum-Tape which was already developed in 1927 as the first product worldwide for passive corrosion prevention of pipelines. We establish and guarantee the highest quality standards with technically trend-setting products. Research, development and production take place exclusively in Germany. Our employees are continuously implementing safe and individual solutions in a personal cooperation with the customer.

Product Description

For over 30 years, **GOMEX®** has stood for the very highest quality in complex molded parts made from elastomers and metal-elastomer composites.

Our modern injection molding machines offer a wide choice of molds and feedstock materials. This enables us to comply with a wide variety of requirements for mechanical properties and working temperatures, as well as resistances to chemicals and weathering.

The development of the component molds and selection of the optimum elastomer formulation is completed in close collaboration with our customers.

Finishing work such as deburring and component assembly is completed by our trained personnel to ensure maximum quality for the finished component.

Our specialist range comprises **GOMEX®** molded parts made from metal-elastomer composites. The specialized processing techniques used make additional assembly work unnecessary while ensuring molded parts offer resilience and durability far superior to those from other joining technologies.

As a result of these product characteristics, **GOMEX®** molded parts have been successfully used for many years in applications such as sieve cleaning balls for abrasives, valve seals, buffers, sealing cuffs, bellows, etc., etc.

Typical product characteristics

Elastomer materials (selection)	Special properties
Natural rubber (NR)	High resilience Offers excellent stability versus dynamic loads
Styrene butadiene rubber (SBR)	Good thermal stability Good resistances to inorganic acids and bases
Ethylene propylene diene monomer (EPDM) rubber	Good UV stability Good resistance to weathering
Nitrile-butadiene rubber (NBR)	Good stability versus oil Good gas tightness
Fluor-elastomer polymer (FPM)	Very good resistance to chemicals Very good thermal resistance
Acrylic-based elastomer (AEM/ACE)	High resistance to oxygen and ozone

Molded part dimensions	Unit	Typical value
Maximum part size	mm	approx. 540 x 570
Minimum part weight	g	10 (approx.)
Maximum part weight	g	1400 (approx.)

Ordering information and packaging

Information about pack sizes is available on request.

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