



MBSEAL®
Flexible sealing elements
for injection moulds

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The Difference — At a Glance MB Seal 45327 Essen MB-Seal® is an in-house development — born from years of work in the technical sales of standard components for injection molding. Anyone who speaks daily with toolmakers, processors, and purchasing managers quickly recognizes where standard solutions reach their limits. MB-Seal® has closed precisely this gap. Anyone who overmolds metal parts knows the challenge: flash formation costs time, money, and frustration. MB-Seal® addresses exactly this issue. Our flexible sealing elements reliably seal injection molds, enable flash-free overmolding of metal inserts, and noticeably reduce the amount of rework required.

What our customers also appreciate: short response times, optimized delivery times, and fair value for money. Because a good product alone is not enough — it must also be available when it is needed. APPLICATION AREAS OF MB-SEAL® Overmolding metal inserts is an established practice — the challenge lies in the details. Sensitive surfaces, tight tolerances, painted or electroplated inserts: flash formation and damage caused by the mold-closing process are costly

everyday problems in practice. This is exactly where MB-Seal® comes in. MB-Seal®

Solves the Problem at Its Source

Flash formation and surface damage are not caused by poor-quality molds — they result from insufficient sealing. Stamped parts with large fracture surfaces, stamping notches, or sensitive surfaces are particularly vulnerable. MB-Seal® prevents exactly this: reliably, reproducibly, and while protecting the mold. MB-

Seal® Seals — Permanently and Precisely

MB-Seal® is installed directly in the injection mold around the areas of the insert that need to be sealed. It replaces conventional steel seals and surpasses them in flexibility and service life. The result: damage-free and flash-free overmolding, reduced rework, and more economical mold operation.

Flexible Sealing Elements for Your Injection Mold
Flash-Free Overmolding of Metal Inserts — with MB-Seal®
Up to 50% More Affordable Than Comparable Products. With the flexible sealing elements from MB-Seal®, metal inserts can be overmolded without flash or damage. The elements are installed directly into the injection mold and adapt precisely to the cavity — custom shaping through machining is possible at any time. Proven for reinforced and unreinforced plastics such as PBT 30% GF, PA 30% GF, and TPE. Particularly effective for sheet metal thicknesses of 4 mm and above. MB-Seal® does not merely replace conventional steel sealing areas — it surpasses them. Reliable process operation, reduced rework, and lower unit costs.

- Product Configurator

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