Plastic bonded magnetic materials based on rare earth. For magnetic components that need to be slightly flexible or completely dimensionally stable, the base material can be mixed with a thermoplastic raw material such as polyamide. NiFeMl-material plastic bonded is significantly more corrosion-resistant than sintered material, thanks to the relatively high amount of plastic (up to 20%), which protects the neodymium parts. Any possible surface corrosion will not penetrate the material quickly and usually therefore no special surface treatment is required. With the aid of compression (BM 9 Np, 10 Np, 12 Np) or injection (BM 4 Np, 7 Np, 8 Np) moulding techniques, magnetic materials plastic bonded are ideal for the manufacture of large numbers of magnetic products.
TOLERANCES OF NEODYMIUM MAGNETS

Bakker Magnetics is able to guarantee valid tolerances for raw magnets (DIN 17410).
Desired tolerances are obtainable on demand and if requested, we can deviate from our standard tolerances.

Remaining demagnetization curves and data of material not shown, are obtainable on request.
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