



CHIP COLLECTION MAGNETS

People depend on their vehicles for work and play, and they want to know their investment is protected whether it is a day-to-day car or an expensive high-end sports car. Chip collection magnets are used in almost all vehicle transmissions, axle unions, and oil pans, as well as filters, to keep metallic chips and filings out of the oil that circulates through these systems. The magnet attracts and holds metallic debris, such as chips and filings, onto its surface, keeping them out of the moving parts and reducing the chances of a breakdown caused by debris.



Engineers use flexible bonded magnets for chip collection because of the flexible (no chipping) nature and chemical resistance of our Plastiform® cured products. Flexible bonded magnets also have strong holding forces due to the optimized multi-pole magnetization pattern located on their surfaces. An adhesive lining can be added to increase adherence to a pan's mounting surface in cases where non-metallic materials, such as aluminum, are used.

Plastiform® 1530 Typical Properties

BH _{max}	1.4 MGO
B _r	2450 Gauss
H _c	2200 Oersteds
H _{ci}	3000 Oersteds

Max. Continuous
Operating Temp 150 °C / 302 °F

Let us assist you with custom
made Plastiform® chip
collection magnets to protect
your vehicle system designs.

800.328.1373

Flexible Magnet Advantages

- Easier to work with at assembly
- Doesn't break or chip
- Chemical resistant
- High operating temperatures
- Strong holding and attraction forces