

Application:

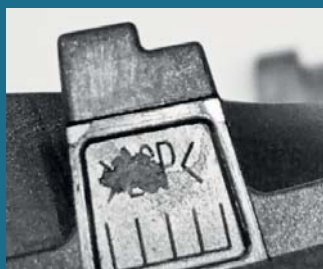
production of headlights.

Tool:

insert of plastic
injection mold.

Target:

elimination of LCP Vectra
E540i material sticking.



*molding with torn material
– mold uncoated*



*quality molding – mold
coated with SIGAAN Px*

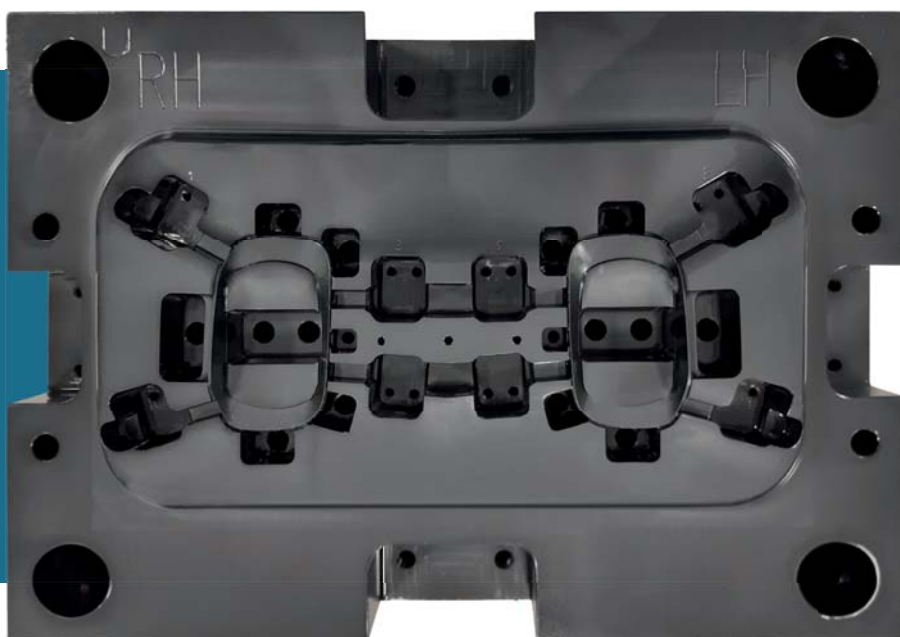
UNIQUE SILICON BASED CERAMIC COATING MODIFIED FOR PLASTIC INJECTION

The coating fully utilizes the potential of the patented segment cathode technology that enables industrial preparation of PVD coatings with unusual chemical composition.

It exhibits the same properties as conventional PVD coatings: high hardness, exceptional abrasion resistance or thermal and chemical stability.

With its extraordinary composition and properties, it offers the following effects:

- elimination of plastic sticking to molds,
- minimal maintenance requirements for molds (cleaning, polishing),
- shortening the production cycle - demolding at a higher temperature,
- melt flow acceleration,
- increasing the lifetime of the molds.



mold coated with SIGAAN Px

**INDUSTRIAL
PVD COATINGS**