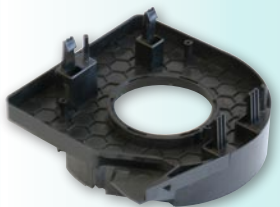


POM for sensitive noses

In vehicle interiors, where many different materials meet high performance polymers are required that provide good processing and material properties and also offer the lowest possible emission levels. These are criteria that the second generation of Hostaform® XAP® more than satisfies. And that's helping the automotive industry successfully implement its minimization strategy for emissions.



Hostaform® XAP® lets drivers relax and take a deep breath.



With its very low emission rates, the second generation XAP® grades comply with the voluntary guidelines (VDA 270 and VDA 275) of the German Association of the Automotive Industry (VDI) by a margin of 50 percent or more. And the even stricter requirements of the Asian vehicle manufacturers are no problem for the Ticona polymer – much to the satisfaction of drivers: They can lean back, relax and take a deep breath.

Always one step ahead

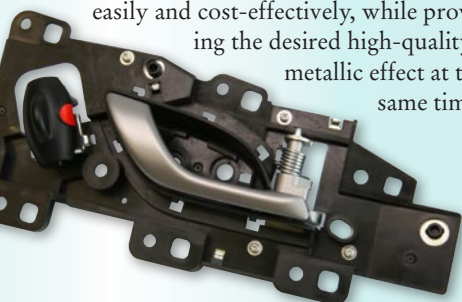
The reduced emission potential of second generation Hostaform® XAP® has been achieved without sacrificing any of the polymer's property advantages: High hardness

and stiffness, as well as outstanding sliding friction properties are all part of the package with Hostaform® POM. These readily colored, UV-resistant POM grades also permit attractive vehicle interior design. In addition, the new XAP® grades exhibit all of the usual balanced mechanical properties and excellent dimensional stability of polyacetal. The engineering polymer demonstrates its good resilience when processed into snapfits, for example. Ticona also supplies a large number of tailor-made special grades especially for high-stress applications: One example of this is a modified Hostaform® POM grade that combines exceptional sliding friction properties with low-wear characteristics.

Hostaform® POM with metallic look for vehicle interiors Bright prospects

Modern automobile interiors are increasingly appealing to customers through their attractive design. This may involve interesting, unusual shapes or different surface effects. That's why Honda relies on Hostaform® UV90Z to produce bright, metallic look door handles for vehicle interiors.

This special grade of the polyoxymethylene copolymer (POM) makes it possible to manufacture the components easily and cost-effectively, while providing the desired high-quality metallic effect at the same time.



Bright metallic-look components from a single (injection) mold: Celcon®/Hostaform® POM gives door handles the desired appearance even without preliminary or finishing operations.

Until now, a series of complicated preparatory and finishing operations (painting, coating, vacuum metallizing) was required in order to achieve an attractive yet durable metallic look in plastic components such as door handles. This is no longer the case in the production of door handles for the Honda Civic: use of the metallic Hostaform® POM grade makes it possible to incorporate special molded-in metallic coloring during the injection molding process. This eliminates the need for additional operations along with the associated costs of handling, transport and quality assurance. It also eliminates the need to handle the hazardous substances typically required by some of the previous solutions.

Good property profile – easy processing

This Hostaform® POM grade is available in nine metallic shades, and customer-specific color adjustments are also possible. Its stiffness is also superior to that of conventional PC/ABS blends without sacrificing tensile strength and impact resistance. The polymer has no tendency to crazing and withstands the chemical cleaners and temperature variations in the vehicle interior without any problem. Components produced from this material are colorfast and highly resistant to scratching and abrasive wear. They also have good sliding friction properties in contact with other polymers.