

High-tech Polymer Pump Components

The potential of precision plastic manufacturing

Helvoet

A reliable partner at your side

> 800
Polymer
experts



7
Production
locations



> 200
Moulding
machines



Inhouse
Post-
processing



> 20 years
Experience
in pumps



www.helvoet.com

Pump Systems

Depending on the type of fluid or media to be transported, on the required output and the application surroundings, different pumping technologies are used.

Helvoet has accumulated extensive experience in the different types of pumps and their specific requirements and can assist you already in the development phase of your project to select the best technology and materials for your application.

Pump principles:

1. Gear



2. Gerotor



3. Turbine



4. Vane



5. Spindle /
Twin Screw

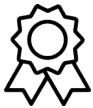


6. Plunger



Why choose polymers

- ✓ High temperature resistance
- ✓ Excellent media resistance
- ✓ Light-weight materials
- ✓ Cost-saving (no coating)
- ✓ Very good insulation
- ✓ Wear resistance



Non-metallic products can be the ideal solution in pumps for **water, air / vacuum, gasoline, diesel, oil, ad blue / urea, water glycol, coffee / beverages** and many more.

Materials for pump components processed at Helvoet:

Phenolic & Epoxy thermoset resins

PPS, PEEK & other engineering thermoplastics

Some materials can contain up to 85% reinforcing fillers



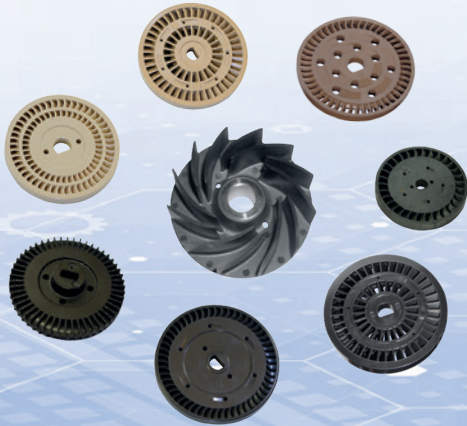
Pump parts produced at Helvoet

Housings

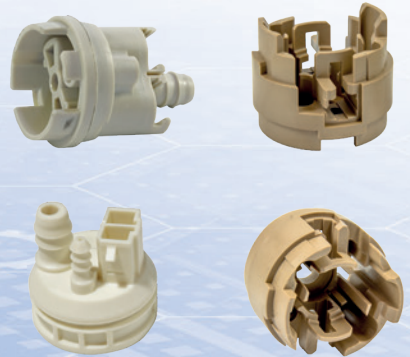


Pump parts produced at Helvoet

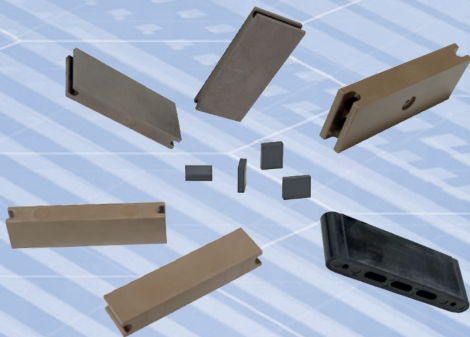
Impeller



End caps / Lager shields



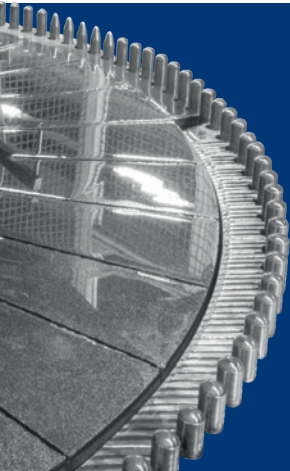
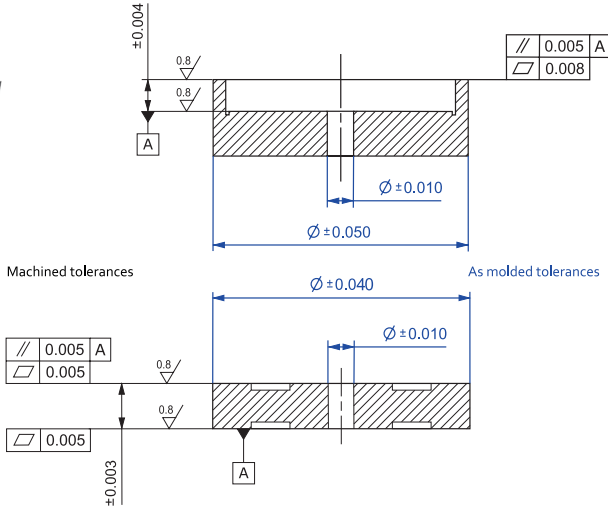
Vanes / Slider



Bushings



Micron tolerances



Precision finishing processes available at Helvoet:

Flatgrinding / Lapping (single and double sided)

X Axis CNC Grinding

Excentric CNC Micron Milling

Centreless Grinding

Your global supplier with local manufacturing



Contact us at

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