



# MKV GmbH Kunststoffgranulate

## Company

MKV GmbH Kunststoffgranulate, located in Beselich Germany, is specialised in the mechanical recycling of engineering and high-performance plastics. Founded in Eschborn, just outside of Frankfurt, in 1960 MKV is a family-owned business, that since day one has promoted the establishment and development of the circular economy.

## Secondary raw materials

MKV endeavours to make maximum use of engineering and high-performance plastics so that resources are used effectively, and the environmental impact is minimised. Turning waste into raw materials again, thus saving resources and keeping them in the loop by feeding them back into manufacturing processes as plastic resin.

The use of secondary raw materials or recyclates provides companies with the benefit of reducing the carbon footprint, saving CO<sub>2</sub> by not using virgin material. Depending on the polymer this can be as much as 6kg of CO<sub>2</sub> or higher.

## Recycling and Compounding

MKV offers high quality thermoplastic recyclates and compounds to injection moulders under its own brand, the ZIA compounds. Plastic waste, usually from industrial sources, in the form of scrap, sprues, faulty parts, etc., gets ground and is regranulated or compounded.

Compounding describes the process of modifying the plastic material characteristics with the help of additives and fillers during extrusion, allowing for tailor made products according to customer requirements.

## Quality

### Material Testing

- Thermal
- Rheological
- Mechanical

### Certificates

- ISO 9001
- ISO 14001

Quality made in Germany – MKV does not leave anything to chance. Strict material analysis is essential. Not everyone can produce a high quality recyclate.

Our ZIA-compounds can be benchmarked against virgin material and provide a real alternative. Consistent and continuous quality controls throughout the entire production process make this possible.

The ZIA-compounds find their ways into the products of many OMEs, as they meet the stringent quality requirements of the automotive and electrical and electronics (E&E) industry.

## Foundation

- 1960

## Turnover

- > € 10 million

## Employees

- ~ 50

## Key topics

- Recycling
- Compounding
- Engineering Plastics
- High Performance Plastics
- Circular Economy

## Key services

- Grinding
- Disposal concepts
- Compounding
- Toll manufacturing
- Material Analysis
- Consulting

## More information

MKV is actively involved in the setting of standards for recycling material and was among the Authors of the DIN SPEC 91446.

In addition, MKV has been a member of TecPart the association representing manufacturers of technical plastic products in Germany, for over 40 years.



## R&D

To foster the recycling of engineering and high-performance plastics MKV is actively engaged in several R&D projects, both on its own and as member of consortiums. This includes the pursuit of claiming so far untapped material streams.

## SAVE GREEN

The expertise of MKV, accumulated over decades, is available to interested parties in the form of the consulting service SAVE GREEN. If the goal is to make the product portfolio more sustainable or to reduce material- and production costs, MKV can help. Through a systematic and joint analysis of the product portfolio and plastic waste management, the following are identified:

- opportunities to reduce CO<sub>2</sub> using recyclates.
- possibilities to increase resource efficiency.
- how to keep materials in the loop.

## Selected customers

### Stanley Black & Decker

Automotive

### Bosch

Automotive and E&E

### Toray

Automotive – Compound Development

### Marquardt

Automotive



## CONTACT

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