



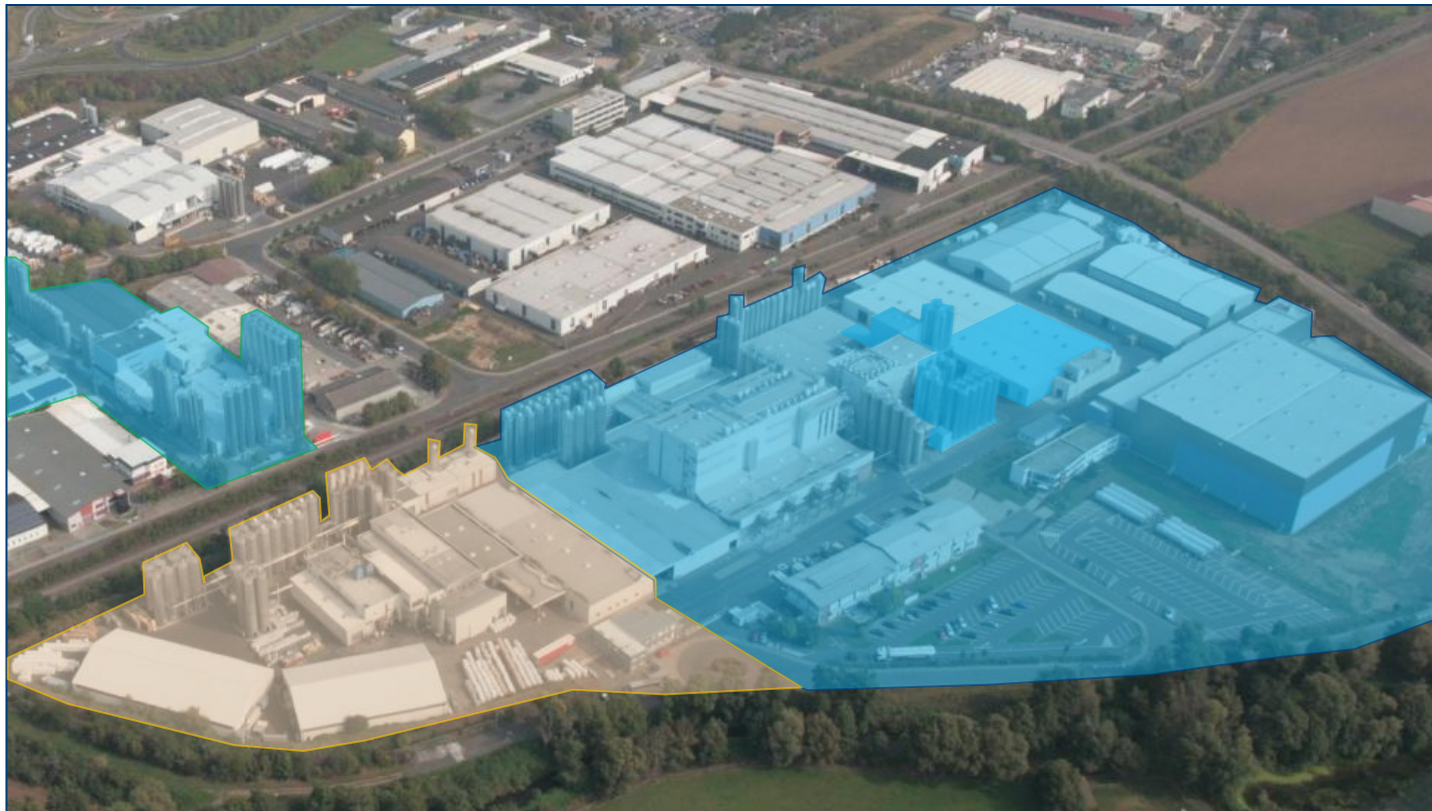
**TechnoCompound**





**Product Presentation  
Engineering Plastics**  
Bad Sobernheim, 2013



# Plant Bad Sobernheim



 TechnoCompound     Polymer-Group



# TechnoCompound GmbH: Data and Facts



## Founded in:

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- ▶ 1990

## Business segments:

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- ▶ Manufacturing and marketing of high quality engineering plastics and commodities

## Business data 2012:

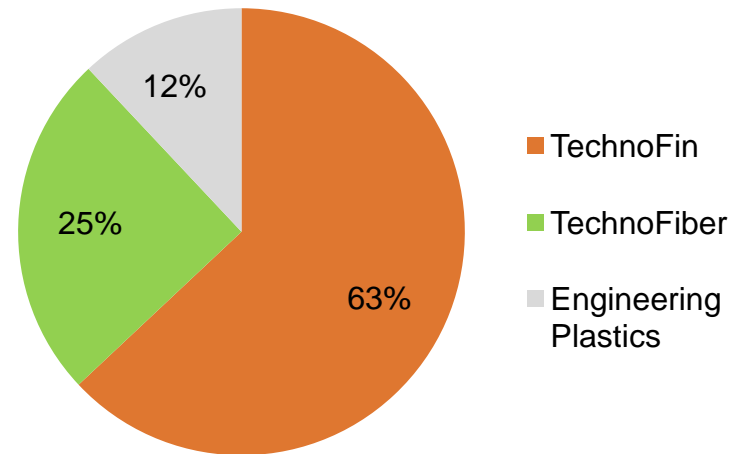
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- ▶ Capacity: 50,000 t
- ▶ Turnover: 43 million €
- ▶ Lines: 7

# Product Range TechnoCompound

## Wide product range

- Approx. 85% of our compounds are based on polyolefins .
- The product group TechnoFiber has been growing for years above average.
- The product group Engineering Plastics stands for efficient, tailor-made technical solutions.



- **Polymer-Group: Data and Facts**
- **TechnoCompound: Data and Facts**
- **Product Segments TechnoCompound**

# Product Segments TechnoCompound

<b>Polyolefin Compounds</b>	TechnoFin (PP)	
	TechnoFinXC (PP)	<b>NEW</b>
<hr/>		
<b>LGF Compounds</b>	TechnoFiber (PP)	
	TechnoGreen (PP)	<b>NEW</b>
	TechnoForce (PP LGF-CF)	<b>NEW</b>
<hr/>		
<b>Engineering Plastics</b>	TechnoElast (TPE-V, -S, -O)	
	TechnoPet (PET)	
	TechnoDur (PBT)	
	TechnoMid (PA)	



# TechnoElast (TPE)

Insulation, absorption properties and elastic memory

## TechnoElast S

styrene block copolymers (TPE-S)

## TechnoElast O

Partly cross-linked PP/EPDM (TPE-O)

## TechnoElast V

Cross-linked PP/EPDM (TPE-V)

- For all applications (blowing, extrusion, injection moulding)
- TPE-V with a hardness range from Shore A 70 to Shore D 60
- TPE-S with a hardness range from Shore A 40 to Shore D 60
- TPE-O with a hardness range from Shore A80 to Shore D 50



Ventilation duct made of TechnoElast O D5011

**Your opportunity: TechnoElast compounds made to suit your needs!**

# TechnoElast (TPE) – TPE-V Compound

## TechnoElast V D4011 I 1 sw (38875)

- High dimensional stability
- Low warpage
- High impact strength
- High viscosity
- Optimised adhesive strength



Spoiler lip Golf VI





# TechnoElast (TPE) – Heavy Compound

## **TechnoElast V A9019 MA19 I 2 sw (85504)**

- sound insulation for acoustic components -

- For all acoustic applications (extrusion, injection moulding)
- Arbitrary density
- Fillers are barium sulphate or magnetite
- Good processability

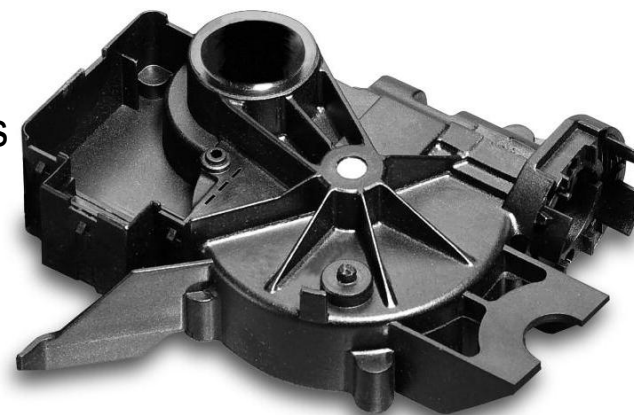
**Your benefit: TechnoElast heavy compound formulations according to your needs!**



# TechnoPet (PET)

Dimensional stability even at high temperatures

- Fillers such as short glass fiber among others, glass beads, mineral, carbon black, magnetite etc.
- patented formulations for low tool temperatures of up to 100° C
- Filler content of up to 45 %
- Modifications such as UV, FR but also scratch resistant versions, impact strength modified or heat stabilized



Component made of TechnoPet GF 45:  
Dimensional stability for high temperatures

**Your idea: Using innovation to create improved materials for you!**



# TechnoDur (PBT)

Extreme hardness and very good wear characteristics

- Fillers such as short glass fiber, glass beads, barium sulphate or mineral filler material
- Blends of PBT/PET or PBT/ASA
- Filler content of up to 30 %
- Modifications such as UV, FR but also surface optimized, impact strength modified or heat stabilized



Air supply  
TechnoDur PBT GF 30 BAGF 18 black (71121)

**Your demand: High level technical compounds!**



# TechnoDur (PBT) – Heavy Compound

## **TechnoDur PBT GF 30 BAGF 18 black (71121)**

- sound insulation for acoustic components -

- Good temperature feature
- No conductance
- Fillers are barium sulphate or magnetit
- Good processability

**Your benefit: Very good sound insulation!**



## TechnoDur (PBT) – Low Warp

**TechnoDur PBT/PET GF 30 black (9965)**

**TechnoDur PBT/ASA GF 30 LW black (58129)**

- low warpage and good dimensional stability -

- For long frames
- Thin filaments possible
- Very good surface finish
- Good processability

**Your benefit: Recipe modifications for different parts possible!**

# TechnoMid (PA)

Optimized for technical applications

- PA6 and PA66 for injection moulding and extrusion applications
- Fillers such as among others short glass fiber, glass beads, mineral, carbon fibers or e.g. wollastonite
- Filler content of up to 45 %
- Modifications such UV, FR but also nucleotized, surface optimized, impact strength modified, hydrolysis resistant or heat stabilized



TechnoMid PA6 GF 20  
castor for office chair

**Your demands are met with high performance materials!**



## TechnoMid (PA)

**TechnoMid PA 66 S GF 30 2 sw (47765)**

**TechnoMid PA 6 S GF 10 M 20 2 (74823)**

- low warpage and good dimensional stability -

- For under the hood applications
- Hybrid fillers: glass & mineral for low warpage
- Aesthetical performances
- Good processability

**Your demands are met with high performance materials!**