

**HIGH PERFORMANCE
COMPOUNDS**

MaruComp



A Marubeni Europe Brand...

Marubeni International (Europe) GmbH is a subsidiary of Marubeni Corporation, one of the largest Japanese trading. The Marubeni network comprises 133 subsidiaries with more than 45,000 employees worldwide.

In 2017, Marubeni International (Europe) GmbH decided to develop and produce in Germany highly specialized plastic compounds under the name MaruComp. Thanks to our many years of experience with high performance polymers and additives we can offer reliable solutions for your applications promptly.

Compounding Facility:

- Location: Ochtrup, Germany
- Plant size: 2000m²
- Start-up: January 2018
- Expansion: August 2022

Ochtrup, Germany



PRODUCTS

MaruComp

Conductive



**Flame
retardant**



Reinforced



**Impact
Modified**



**Tribology
improved**



**Recycled
Materials**



Whether you need polyolefins, engineering plastics or high performance materials we deliver the key features and properties for your application.

	PE	PP all	COC
Recycling / Regranulation	✓	✓	✓
Static Dissipative	✓	✓	○
Electric Conductive	✓	✓	○
Thermal Conductive		○	
Halogen Free Flame Retardant	○	✓	
Glass Fibre Reinforced	✓	✓	
Increased Impact Resistance	✓	✓	
Improved Flexibility	✓	✓	
Improved Barrier Performance			
Improved Chemical Resistance			
Tribology Improvement			
Weight Reduction	○	✓	○
Improved Scratch Resistance		✓	
Anti-Squeak			
Coloured	✓	✓	✓
Low Shrinkage	✓	✓	

✓ = available ○ = development phase

Examples of compounds that have been developed or are under development.

Consult us if you need other polymers that are not listed.

	PA6	PA66	PA610	PA10T	MXD6
Recycling / Regranulation	✓	✓	○	✓	✓
Static Dissipative					
Electric Conductive	✓	✓		✓	✓
Thermal Conductive	○	○	✓	✓	✓
Halogen Free Flame Retardant	✓	✓		✓	✓
Glass Fibre Reinforced	✓	✓		✓	✓
Increased Impact Resistance	✓	✓		✓	✓
Improved Flexibility	○	○		✓	
Improved Barrier Performance				✓	✓
Improved Chemical Resistance				✓	
Tribology Improvement	○	○		○	○
Weight Reduction	○	○		○	○
Improved Scratch Resistance					
Anti-Squeak	○	○			
Coloured	✓	✓		✓	✓
Low Shrinkage	✓	✓		✓	✓

✓ = available ○ = development phase

Examples of compounds that have been developed or are under development.

Consult us if you need other polymers that are not listed.

	PET	PBT	PC
Recycling / Regranulation	✓	✓	✓
Static Dissipative			
Electric Conductive	✓		
Thermal Conductive			○
Halogen Free Flame Retardant			○
Glass Fibre Reinforced			
Increased Impact Resistance			
Improved Flexibility			
Improved Barrier Performance			
Improved Chemical Resistance			
Tribology Improvement	○		○
Weight Reduction			○
Improved Scratch Resistance			
Anti-Squeak	○		○
Coloured	✓	✓	✓
Low Shrinkage			

✓ = available ○ = development phase

Examples of compounds that have been developed or are under development.

Consult us if you need other polymers that are not listed.

	ETFE	PVDF	PFA
Recycling / Regranulation	✓	✓	○
Static Dissipative		✓	○
Electric Conductive	✓	○	○
Thermal Conductive			
Halogen Free Flame Retardant			
Glass Fibre Reinforced	✓	✓	○
Increased Impact Resistance	✓		
Improved Flexibility	✓		
Improved Barrier Performance	✓	✓	○
Improved Chemical Resistance	✓	✓	○
Tribology Improvement	✓	✓	
Weight Reduction	○	○	○
Improved Scratch Resistance		○	○
Anti-Squeak			
Coloured	✓	✓	○
Low Shrinkage	○		

✓ = available ○ = development phase

Examples of compounds that have been developed or are under development.

Consult us if you need other polymers that are not listed.

	PC/ABS	PS	PVC-P	PPSU	TPU
Recycling / Regranulation	✓	✓	✓	✓	○
Static Dissipative					
Electric Conductive	✓	○	✓		○
Thermal Conductive					
Halogen Free Flame Retardant				✓	
Glass Fibre Reinforced					
Increased Impact Resistance					
Improved Flexibility					
Improved Barrier Performance					
Improved Chemical Resistance					
Tribology Improvement	○			○	
Weight Reduction	○		○	○	
Improved Scratch Resistance	○				
Anti-Squeak	✓				
Coloured	✓	✓	✓	✓	
Low Shrinkage					

✓ = available ○ = development phase

Examples of compounds that have been developed or are under development.

Consult us if you need other polymers that are not listed.

	Polyolefines			Polyamides					Polyesters			Fluoropolymers			Others				
	PE	PP all	COC	PA6	PA66	PA610	PA10T	MXD6	PET	PBT	PC	ETFE	PVDF	PFA	PC/ABS	PS	PVC-P	PPSU	TPU
Recycling / Regranulation	✓	✓	✓	✓	✓	○	✓	✓	✓	✓	✓	✓	✓	○	✓	✓	✓	✓	○
Static Dissipative	✓	✓	○										✓	○					
Electric Conductive	✓	✓	○	✓	✓		✓	✓	✓			✓	○	○	✓	○	✓		○
Thermal Conductive		○		○	○	✓	✓	✓			○								
Halogen Free Flame Retardant	○	✓		✓	✓		✓	✓			○							✓	
Glass Fibre Reinforced	✓	✓		✓	✓		✓	✓				✓	✓	○					
Increased Impact Resistance	✓	✓		✓	✓		✓	✓				✓							
Improved Flexibility	✓	✓		○	○		✓					✓							
Improved Barrier Performance							✓	✓				✓	✓	○					
Improved Chemical Resistance							✓					✓	✓	○					
Tribology Improvement				○	○		○	○	○		○	✓	✓		○			○	
Weight Reduction	○	✓	○	○	○		○	○			○	○	○	○	○		○	○	
Improved Scratch Resistance		✓											○	○	○				
Anti-Squeak				○	○				○		○				✓				
Coloured	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	○	✓	✓	✓	✓	
Low Shrinkage	✓	✓		✓	✓		✓	✓				○							

✓ = available ○ = development phase

SERVICES

MaruComp

Development



Re/Upcycling



Distribution



**Loan
compound**



Testing



3D Printing



**We provide more than
just a compound!**

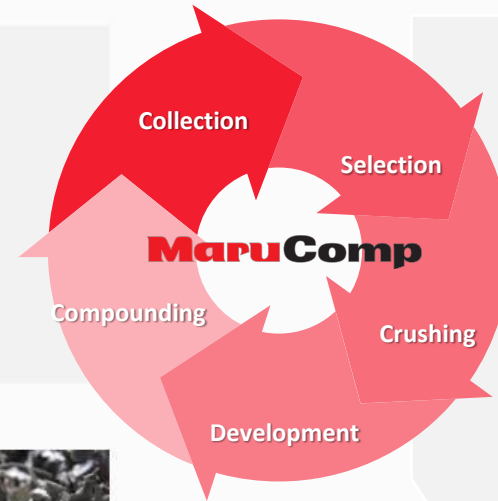


Based on our long experience in the plastic market we are familiar with many applications and requirements. Nevertheless, we constantly improve, adapt and develop our compounds to meet the high standards set by our customers.

Collection



Quality Control



Shredding/Grinding



Extrusion/Compounding



We give a second life to your products...

- Shredding of different material like ETFE, PA, PO and various other materials
- Material that can be handled are in form of films, sheets, pipes, tubes and material blocks.
- Film unwinding device for roller for easy film crushing operation.
- Different crushing screens are available ranging from 4mm, 6mm, 8mm and 10 mm depending on the process and product requirement
- Closed operation with blower system to fill the octabins or big bags with crushed material for its easy transportation.



As a global company we can assist you wherever you are...

Marubeni International (Europe) GmbH, a subsidiary of Marubeni Corporation, is one of the world largest Japanese trading company. Thanks to our many years of experience, our extensive number of partners and suppliers we can also provide you with:

- **Raw materials: engineering & high-performance plastics, thermoplastic elastomers (TPE).**
- **Plastic additives**
- **Semi-finished products such as sheet, rods, tubes...**



We are very flexible in terms of polymers and additives that we can process...

- Twin screw co-rotating extruder (JSW), 44mm, 60 L/D
- Reifenhäuser – single screw extruder, 80mm, 35 L/D, hard chromed/Hastelloy
- Production ranging from 200 up to 600 kg/h depending on the formulation
- Variable options for material feeding (ability of handling liquids, fibers, powders and pellets)
- 2 side feeding possibilities
- Strand pelletizing with segregating screen
- Under-water cutting
- Material pre and post drying facility
- Physical blending and mixing

Quality comes first...

We test to meet the high standards set by our customers.

Testing equipment

- Tensile Testing Machine (UTM)
- MFR / MFI Tester
- Density Tester
- Moisture Tester
- Digital Microscope Tester
- Surface Hardness Tester
- Thermal Conductivity Testing
- Electrical Conductivity Testing





Injection moulding

- Machine Arburg 420C
- Master tool with changeable cavities (developed in cooperation with IKV Aachen)
- Mouldable specimen for several analysis
- Plates (scratch resistance, electrical and thermal conductivity, colour)
- Tensile bars (mechanical properties) (DIN ISO 524: 1B,2)
- Flow spiral (rheology)



We developed some partnerships with some leading 3D printing machine manufacturers and have access to the latest technologies.

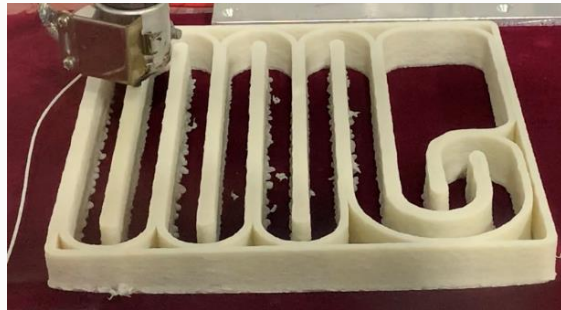
- Processing of conventional granules
- Use of a screw extruder
- 6-axis positioning system
- Part sizes up to 800mm x 1800mm



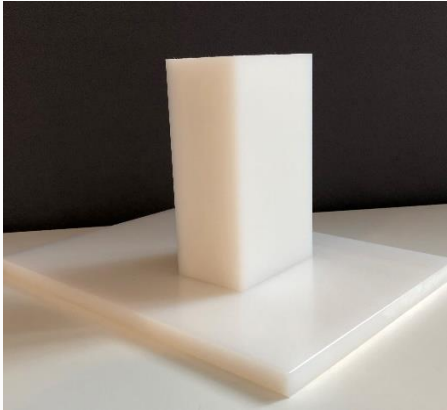
Semi-finished product / Tube
MaruComp ETFE Tribo CF25



Tube
MaruComp PVC FMET



Customer part
MaruComp ETFE Tribo CF25



Sheets made of
ETFE + PVDF new life



Rods made of
ETFE + PVDF new life



Tubes made of
ETFE + PVDF new life



Film structures with tribological
properties, e.g. containing ETFE



Machined parts
made of ETFE

Semi-finished products

We developed some cooperation with specialized manufacturers of semi-finished products and can provide high performance materials with unique properties.

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