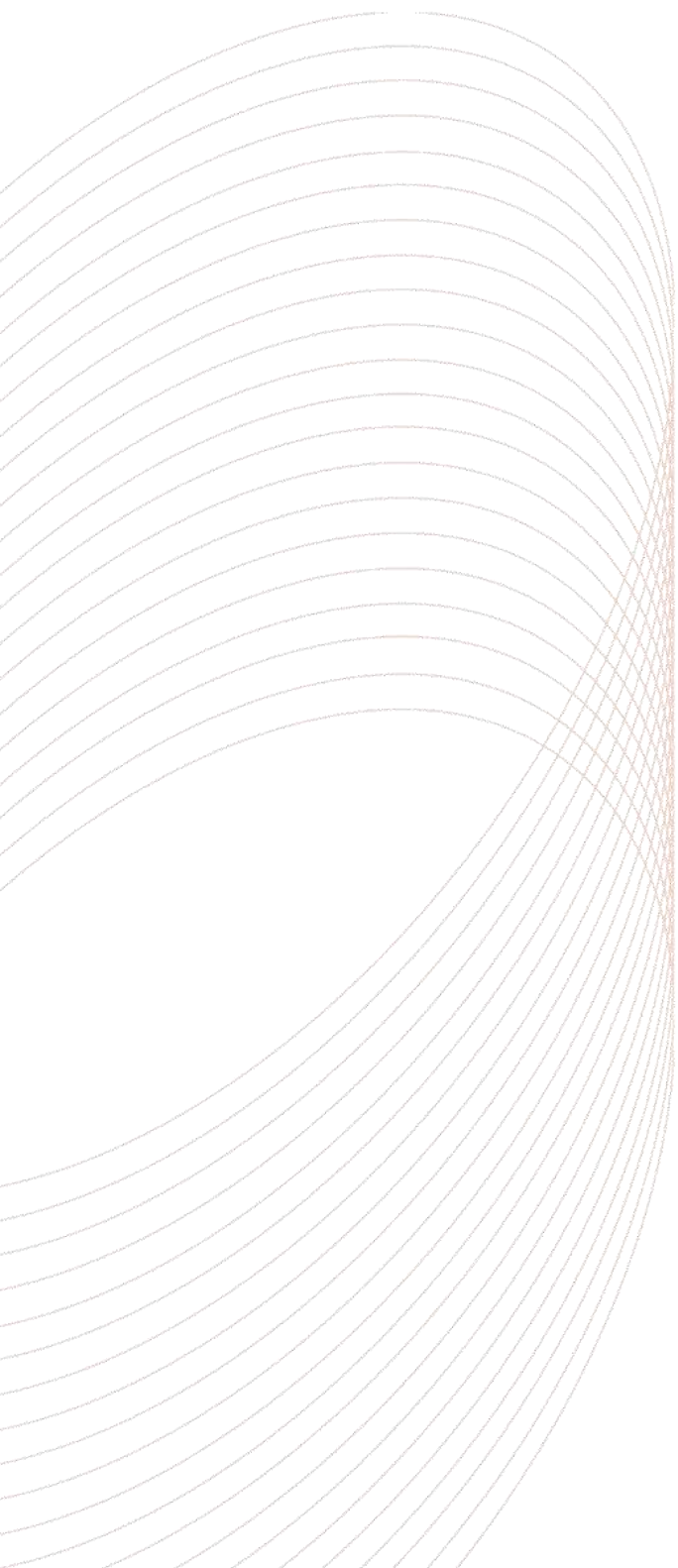


AKUplastics

Your supplier

**Welding consumables &
welding rods**



PRODUCTS

OUR PROFILE

MATERIALS

WELDING CONSUMABLES
& WELDING RODS

DELIVERY OVERVIEW

Our profile

With years of experience in sales and processing of thermoplastic semi-finished products, we have become a significant Austrian provider of complete solutions for the entire processing industry.

From our headquarters near Melk on the Danube, we supply and support the domestic market as well as our customers in Western Europe, Hungary, and Southeast Europe. Our two warehousing subsidiaries in the Czech Republic and Slovakia are responsible for their respective markets as well as other Eastern European countries.

Our products are used in various sectors such as:

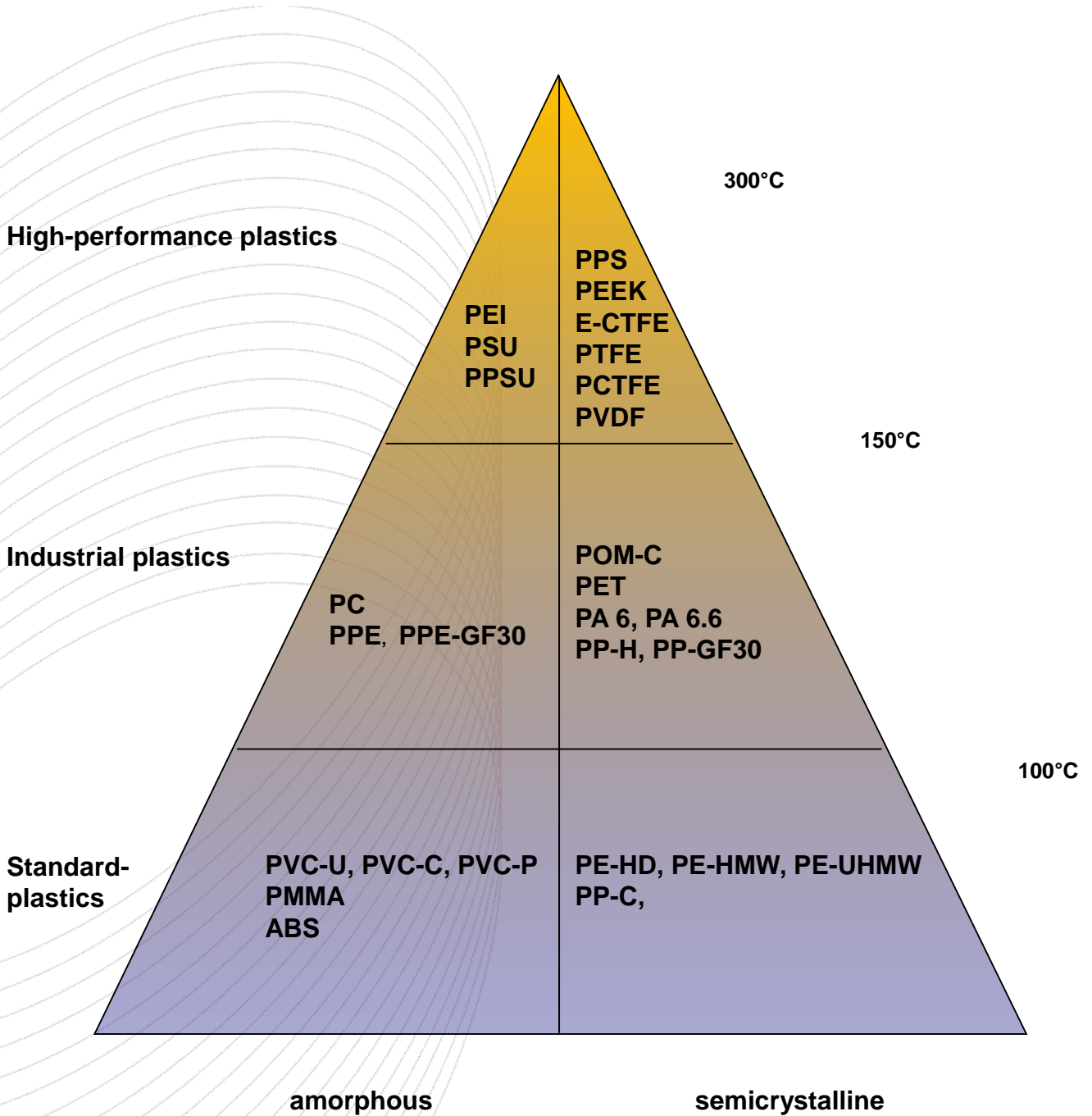
- Chemical industry
- Tank and plant construction
- Semiconductor industry
- Apparatus engineering
- Electrical and electronic industry
- Mechanical engineering
- Storage, lifting, and conveying technology
- Textile machine construction
- Automotive industry and vehicle construction
- Food industry
- VisCom applications
- Medical technology
- Nuclear technology
- and many other areas.

A balanced product range, ranging from semi-finished products such as sheets, solid and hollow rods, hexagonal rods, flat bars, standard profiles, welding wires, and sight glasses to machined finished parts as well as ventilation fittings and processing machines for welding and bending technology, clearly demonstrates this.

Through continuous examination and expansion of our supplier base, we are able to offer the best quality at fair prices.

As permanent market observation and societal changes require a rethink in solutions, semi-finished products based on biopolymers and recyclates are now being produced worldwide for the first time.

Materials



This overview provides a selection of the materials available on the market and obtainable from us, and it does not claim to be exhaustive.

Welding consumables & welding rods

For the proper welding of our plates according to DVS 2205, we supply welding additives or welding wires suitable for the melt flow rate (MFR).

Our range of supply includes welding additives and welding wires in the following materials, matching the plate material, in the usual standard colors:

- PE-HD
- PP-H
- PP-C
- PPs
- PPs-EL
- PVC-U
- PVC-C
- PVDF
- ECTFE
- FEP
- PFA

The welding additives and welding wires are available depending on the material as round wires with diameters of Ø2, 3, 4, and/or 5 mm, and as triangular wires in various dimensions, available as wires on small or large coils, in bundles, or as 1(2) m rods.

Round wires with diameters of Ø3, 4, or 5 mm made of polyolefins in custom materials and colors are available on request with a minimum quantity of 10 kg net upon provision of raw materials and masterbatch.

Welding additives and welding wires are special materials used in plastic welding to support the welding joint, improve welding properties, and create a durable connection between plastic parts.

These additives can be in the form of wire, rods, or other forms and are selected based on the specific plastic welding process and the requirements of the application.

Welding consumables & welding rods



Semi-finished products - Delivery Overview

Material designation according to DIN / ISO	PANELS, SHEETS, BLOCKS	FOILS SHEETS	ROUND (SOLID) RODS	HEXAGONAL RODS	HOLLOW RODS	PRESSURE & SIGHT PIPES	VENTILATION COMPONENTS	WELDING ADDITIVES	SHAPED PIPES	STANDARD PROFILES
	Standard dimensions (mm)						Additional delivery options			
	Thickness 1)	Thickness 1)	ODØ 2)	LW	ODØ 3)	ODØ 4)	(✓ = available / - = no)			Type of profile
BIO-Polymere div.	-	-	10-40	-	-	-	-	-	-	✓
PVC-U (Hard-PVC)	1-100	-	5-400	10-38	15-230	10-600	✓	✓	✓	U/L/H/T
PVC-HI	3-50	-	20,30,40	-	-	-	-	-	-	-
PVC-ESD	-	-	20,30,50	-	-	-	-	-	-	-
PVC-C	3-30	-	10-150	-	-	16-500	-	✓	-	L
PE-HD (PE 300)	2-120	-	10-700	17-38	30-1350	10-1400	✓	✓	✓	U/L
PE-HMW (PE 500)	10-100	-	-	-	-	-	-	-	-	-
PE-UHMW (PE 1000)	3-100	-	20-200	17-38	-	-	-	-	-	-
PP-H	2-120	-	10-700	17-32	30-1350	10-1400	✓	✓	✓	U/L
PPs	3-20	-	20-100	-	-	-	✓	✓	-	-
PPs-EL	3-20	-	20-80	-	-	-	-	✓	-	-
PP-GF30	40	-	20-150	17-38	-	-	-	-	-	-
PP-PET-F30	-	-	25-100	-	-	-	-	-	-	-
PP-C	3-15	-	-	-	-	-	-	✓	-	-
PP-R	-	-	-	-	-	-	-	✓	-	-
PP-ESD	-	-	20-110	-	-	-	-	-	-	-
ABS	15-100	-	10-100	-	-	-	-	-	-	-
PET (PETP)	10-80	-	12-200	17-38	-	-	-	-	-	-
PMMA-XT	-	-	4-200	-	-	7-250	-	-	-	-
PMMA-GS	-	-	10-200	-	-	40-500	-	-	-	-
PC	15-50	-	10-180	17-38	-	10-200	-	-	-	-
PPE	10, 20	-	20-80	-	-	-	-	-	-	-
PPE-GF30	-	-	30, 40	-	-	-	-	-	-	-
PA 6 xt	2-100	-	6-300	17-38	20-100	-	-	-	-	-
PA 6.6	10-50	-	6-150	17-38	-	-	-	-	-	-
PA 6 cast	16-100	-	50-320	-	-	-	-	-	-	-
PA 6.6-GF30	10-100	-	20-150	-	-	-	-	-	-	-
POM-C	2-130	-	3-500	17-38	20-200	20-450	-	-	-	-
POM-ESD	12, 20	-	-	-	-	-	-	-	-	-
POM-ELS	30, 50, 80	-	12, 20, 30	-	-	-	-	-	-	-
POM-PE10	10-50	-	20-100	-	-	-	-	-	-	-
PEEK	8-50	-	5-200	17-38	-	-	-	-	-	-
PEEK mod.	10, 20	-	10-80	-	-	-	-	-	-	-
PEEK-GF30	-	-	10100	-	-	-	-	-	-	-
PES	-	-	12-100	-	-	-	-	-	-	-
PSU	-	-	20-100	-	-	-	-	-	-	-
PPS	-	-	20-50	-	-	-	-	-	-	-
PPS-GF40	-	-	20-50	-	-	-	-	-	-	-
PPSU	-	-	20-40	-	-	-	-	-	-	-
PEI	-	-	25-100	-	-	-	-	-	-	-
PVDF	2-60	-	10-250	17-38	110-250	16-400	✓	✓	-	-
PVDF-ELS	-	-	20-60	-	-	-	-	-	-	-
ECTFE	1,5/2,3/3	1,5/2,3	25-127	-	-	20-110	✓	✓	-	-
PCTFE	5-30	-	9-125	-	30-430	-	-	-	-	-
FEP	5-30	1,5-2,3	9-125	-	-	32-110	-	✓	-	-
PFA	5-30	1,5-2,3	9-125	-	-	16-32	-	✓	-	-
PTFE-virg.	1-50	0,5-3	4-775	-	10-1440	10-80	-	-	-	-
PTFE-C25	1-50	0,5-3	4-775	-	10-1440	10-80	-	-	-	-
PTFE-GF25	1-50	0,5-3	4-775	-	10-1440	10-80	-	-	-	-

1) Standard formats, 2) Standard length, 3) Inner diameter and length as well as 4) Wall thickness (if applicable, pressure series) and length on request.

Minimum quantities, standard formats, designs, colors, cuttings, and machined parts according to drawing are available on request.

This overview illustrates our delivery options for standard products and does not claim to be complete and accurate.

As a specialist company, we also supply machinery, equipment, and accessories for plastic welding, joining, bending, and folding technology.

Semi-finished products - Delivery Overview



Plates and bars made of
PA 6, PA 6.6, PA 6.6 GF30



Plates and bars made of
POM-C, POM-ESD, POM-AS



Plates and bars made of
PET (PETP)



Plates and bars made of
PVC-U, PVC-C



Plates and bars made of
PP-H, PP-C



Plates and bars made of
PE-HD (PE80, PE100), PE-UHWM



Plates and bars made of
PEEK, ECTFE, PCTFE, PTFE, FEP, PFA



Plates and bars made of
ABS



Pipes and bars made of
PMMA



Standard profiles and shaped pipes made of
PVC-U, PE-HD, PP



Pipes and bars made of
transp. PVC-U



Plates and bars made of
PC (Industriequalität)

Notes





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