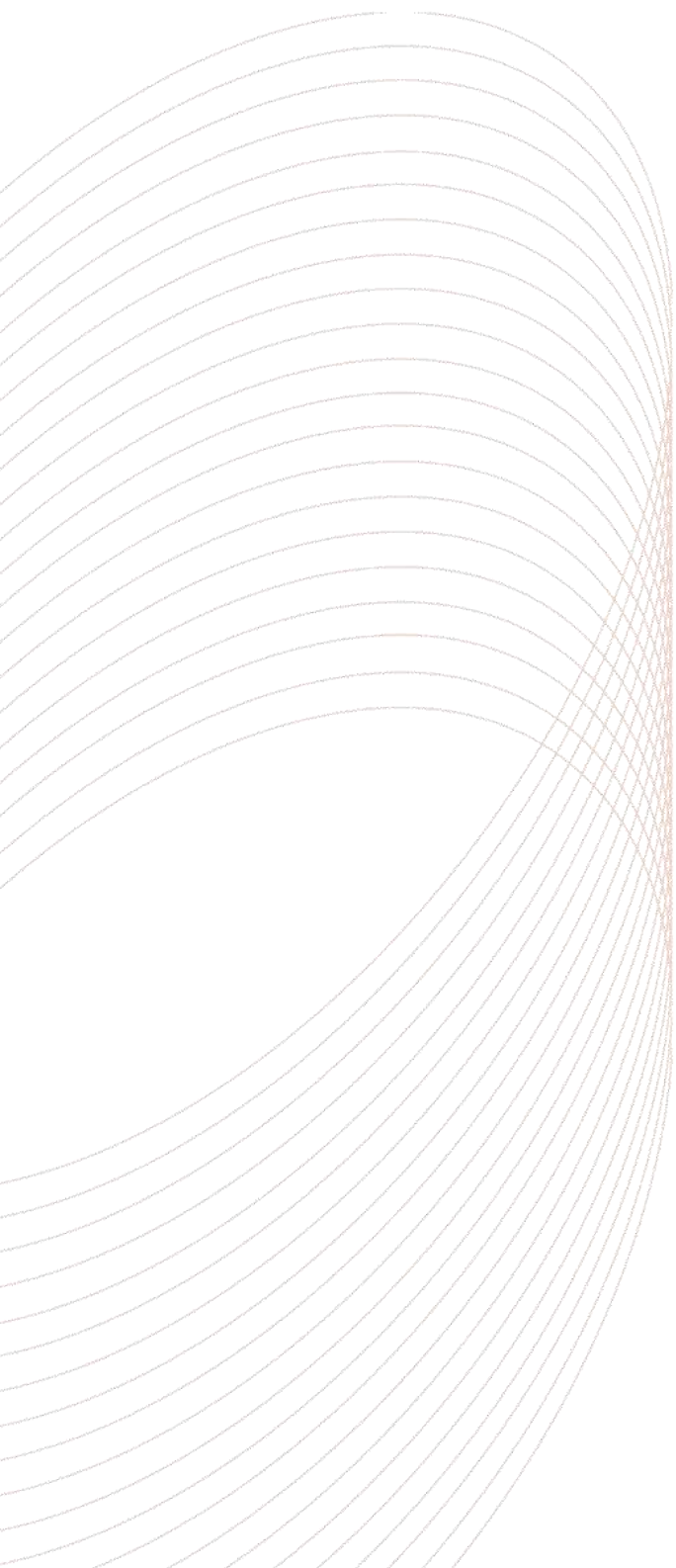


AKUplastics

Your supplier

Welding consumables & welding rods



PRODUCTS

OUR PROFILE

MATERIALS

**WELDING CONSUMABLES
& WELDING RODS**

DELIVERY OVERVIEW

Our profile

Years of experience in the distribution, processing, and handling of thermoplastic semi-finished products.

This has made us a significant Austrian provider of comprehensive solutions for the entire processing industry.

From our headquarters in Vienna, we supply and support the domestic market as well as our customers in Western Europe, Hungary, and Southeast Europe in cooperation with our partners.

Our two partner companies with warehouses in the Czech Republic and Slovakia are responsible for their respective markets, as well as other Eastern European countries.

Our products are used in the following areas:

- Chemical Industry
- Tank and Plant Construction
- Semiconductor Industry
- Apparatus Engineering
- Electrical and Electronics Industry
- Mechanical Engineering
- Storage, Lifting, and Conveyor Technology
- Textile Machinery Manufacturing
- Automotive and Vehicle Construction
- Food Industry
- Visual Communication (VisCom) Applications
- Medical Technology
- Nuclear Technology
- ... and many other industries.

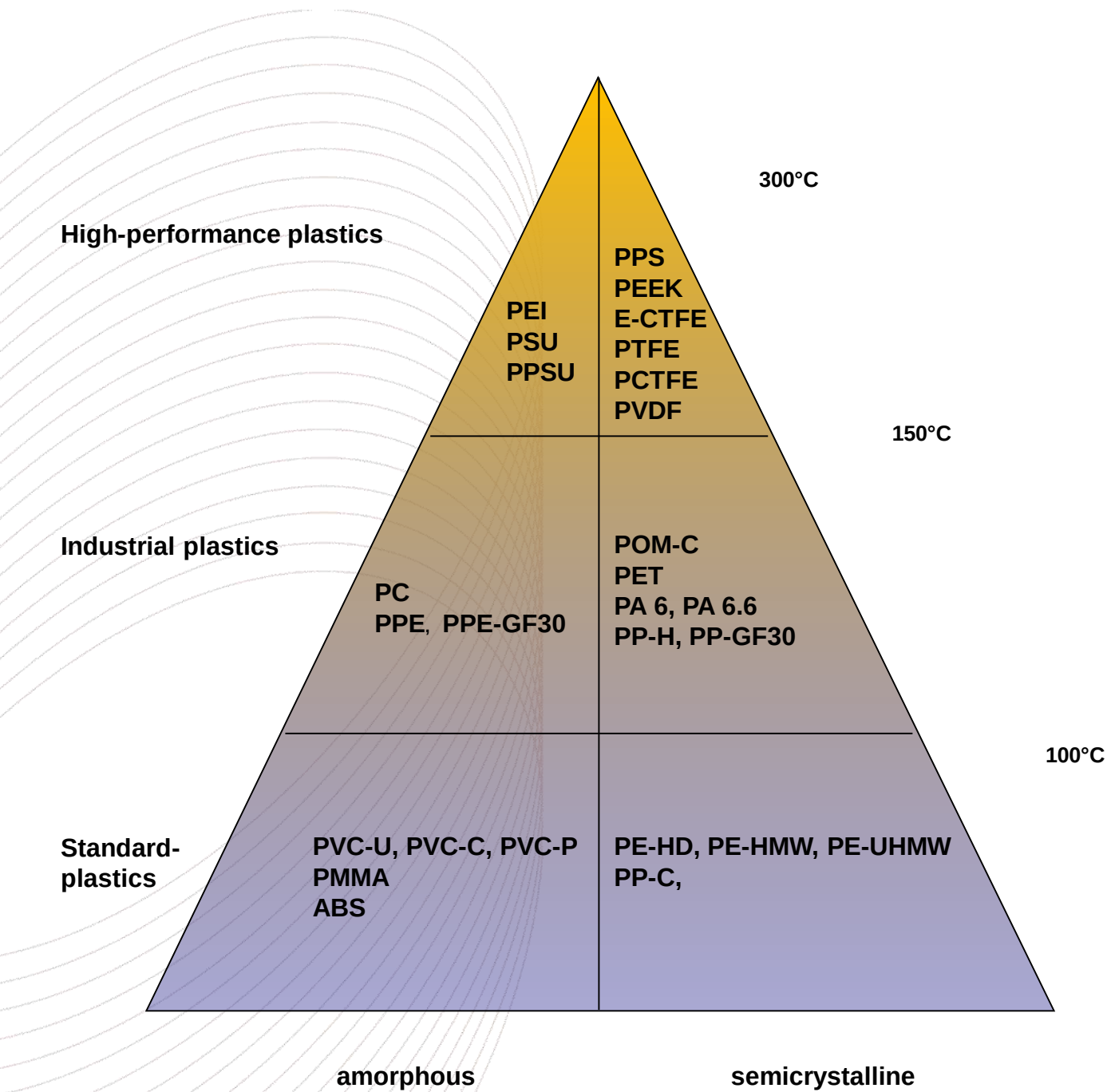
A balanced product range, which includes semi-finished products such as plates, solid and hollow rods, hexagonal rods, flat rods, standard profiles, welding wires, and transparent pipes, as well as machined finished parts, ventilation components, and processing machines for welding and bending technology, clearly underscores this.

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

Ongoing market analysis and consideration of ecological as well as societal changes create the demand for new solutions.

We also meet such needs with semi-finished products based on biopolymers and recyclates.

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

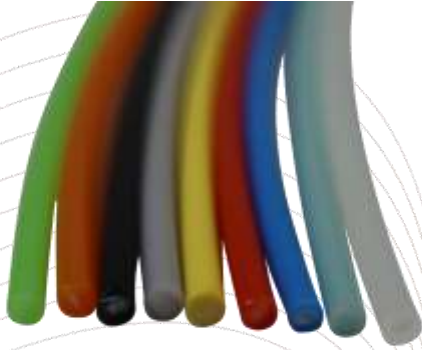
The welding additives and welding wires are available depending on the material as round wires with diameters of Ø2, 3, 4, and/or 5 mm, and as triangular wires in various dimensions, available as wires on small or large coils, in bundles, or as 1(2) m rods.

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

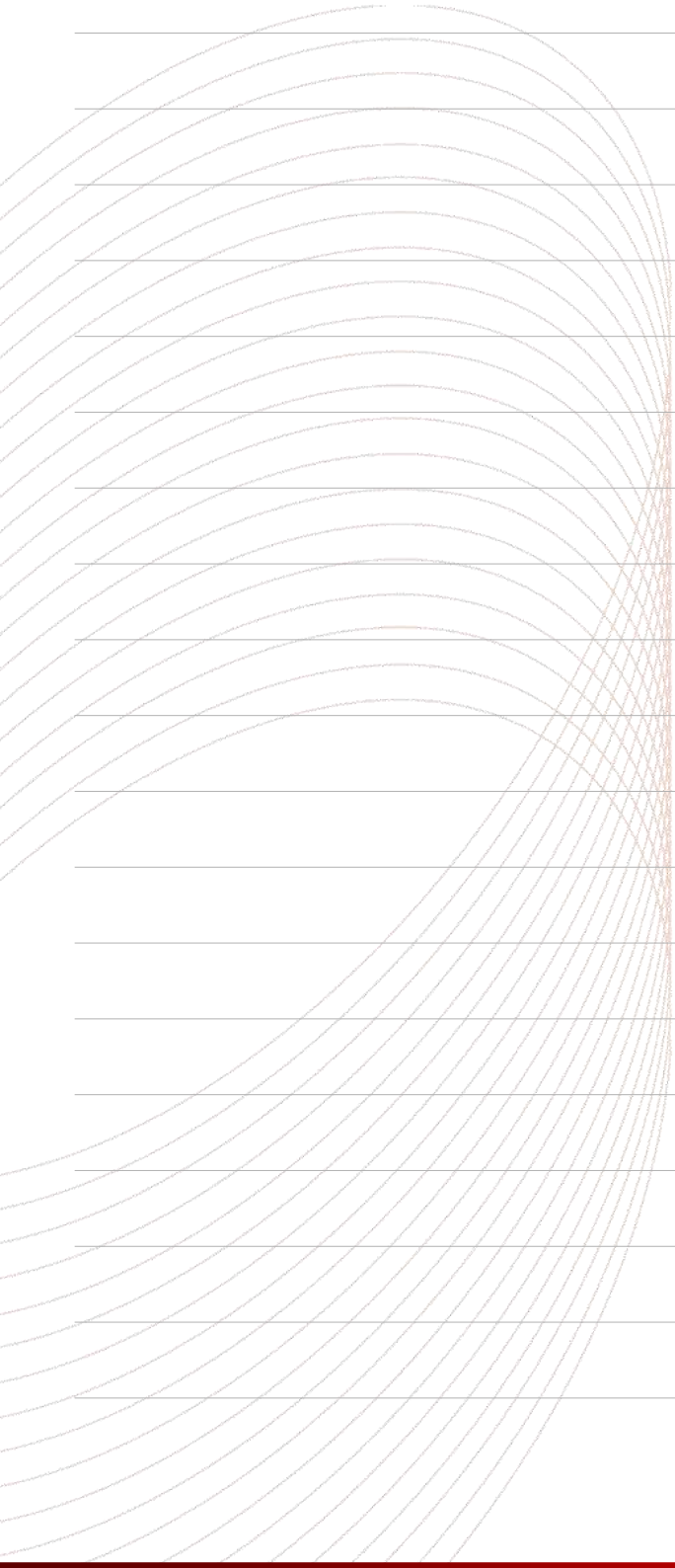


Pipes and bars made of
transp. PVC-U



Plates and bars made of
PC (Industriequalität)

Notes



A series of horizontal lines for taking notes, with a decorative graphic of concentric arcs on the left side.





AKU KG

Bergmillergasse 6/32
A-1140 Vienna / Austria

t: +43 (1) 3535445-0
f: +43 (1) 3535445-4
e: office@akuplastics.com