

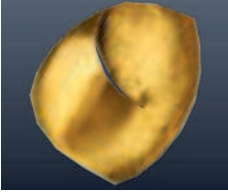
Heraeus



**Stock List
Semifinished Products**



Bicolor



Material: 935/- Silver with finegold,
as sheets

Thickness: 1 mm
(0.9 mm 935/- Silver,
0.1 mm finegold)

Density: approx. 11.3 g/cm³

Melting range: 820 – 910 °C

Vickers' hardness (annealed):
HV 75

Joining technology:

Soldering, welding, lasering

Cast: commercially available
silver solder

Suitable for: rolled jewellery,
jewellery with appealing
color effects – the material
could be used for extrusion
and deep-drawing, coining
and casting



Semifinished products: wires, rolled profiles, sheets, cast

Alloy	Color	Melting range in °C	HV (soft)	Density g/cm ³	Cast	Wire					Rolled profile			Sheet						
						Ø in mm					∅ in mm			in mm						
						0.25	0.5	1.0	1.5	2.0	3.0	4.0	5.0	6.0	0.5	0.8	1.0	1.5	2.0	3.0

Colored gold

333/30	yellow	850-910	105	10.9	x		x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
585/30	yellow	850-890	140	13.9	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
585/40	reddish	820-870	140	13.3	x		•	•	x	•					x						
585/50	red	900-920	130	13.1	x		•	•	x	•					•						x
750/32	yellow	890-920	130	15.5	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
750/52	full yellow	850-890	140	15.4	x	•	x	x	•	x	•	x	•	x	•	x	•	x	•	x	•
750/40	reddish	870-890	150	15.3	x		•	•	x	x	•	x	•	x	•	x	•	x	•	x	•
750/50	red	880-900	170	15.1	x		•	•	x	•					x						x
900/50	full yellow	940-985	80	17.6	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x

White gold

585/10 Pd-WG		1040-1130	90	14.5	x		x	x	x	x	x				x	x	x	x			
750/10 Pd-WG		1000-1160	100	15.9	x		x	x	x	x	x				x	x	x	x			
585/19 Pd-WG		1060-1150	160	14.5	x		x	x	•	x	x	•			x	•	x	x			
750/16 Pd-WG		1040-1150	140	15.8	x		x	x	•	x	x	•			x	•	x	x			
760/ Ni-WG, hard		920-960	210	14.9			x	•	x												x

Platinum

Pt Cu 960/40		1730-1750	115	20.3		x	x	x	x	x	•	x			x						x
Pt Ru 950/50		1840-1865	140	20.9			x		x	x					x						x
Pt W 950/50		1840-1860	150	21.0							x										x
Pt Ir 800/200		1810-1825	190	21.7			x				x				x						x

Palladium

950/20 Palladium		1380-1450	100	11.8										x		x					•
500/48 Palladium		1200-1280	90	11.1										x		x					x

Silver

925/- Silver		820-910	75	10.3	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
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Additional sheet sizes in silver 925/-: 0.4 / 0.6 / 0.7 / 1.2 mm

Fine metals

Gold 999,9		1063	25	19.3			x					Granules		x							
Platinum 999,5		1770	50	21.4			x								x						
Palladium 999,5		1552	50	12.0											x						
Silver 999,5		960	40	10.5			x	•				Granules		x	•	•					

Bicolor

935/- Silver (0,9 mm) mit Feingoldaufflage (0,1 mm)		820-910		11.3																	x
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x = Stock material • = shortly available, minimum purchase 20 g

Special fabrication upon request.

Office hours: 08.00 am – 04.00 pm.

All semifinished products are delivered thermally stressed relieved.

Solder (as sheets – thickness 0.3 mm)

Alloy	Property	Working temp.	Cd free	with Cd
Colored gold				
333/-, yellow	soft	680 °C	x	
	hard	720 °C	x	
585/-, yellow	soft	730 °C	x	
	medium	760 °C	x	
	hard	800 °C	x	
750/-, yellow	soft	750 °C	x	
	medium	780 °C	x	
	hard	815 °C	x	
917/-, yellow	hard	880 °C	x	
White gold				
585/-,	soft	775 °C	x	
	hard	805 °C	x	
750/-,	soft	800 °C	x	
	medium	840 °C	x	
830/-,	hard	850 °C	x	
800/-,	hard (Solder No. 10)	910 °C	x	
Platinum				
	soft	1100 °C	x	
	hard	1400 °C	x	
Palladium				
	soft	730 °C	x	
	medium	980 °C	x	
	hard	1110 °C	x	
Silver				
	soft	675 °C	x	
	medium	715 °C	x	
	hard	725 °C	x	
Emaillot		775 °C	x	
Colored gold				
333/-, yellow	soft	645 °C		x
	hard	705 °C		x
585/-, yellow	soft	665 °C		x
	medium	725 °C		x
	hard	780 °C		x
750/-, yellow	soft	695 °C		x
	medium	755 °C		x
	hard	815 °C		x
585/-, red	soft	740 °C		x
750/-, red	medium	760 °C		x
	hard	800 °C		x

Up to now most solders in use contain cadmium because of better flow properties.

During soldering and melting cadmiumoxyd fumes will be released which can cause health problems.

Material safety data sheets are available as download.

Seamless tubes

∅ out	∅ in	Wall	585/30 yellow	585/12 PdWG	750/32 yellow	750/52 full yellow	760/12 PdWG	925/- Ag	960/40 Pt
in mm	in mm	in mm	g/cm	g/cm	g/cm	g/cm	g/cm	g/cm	g/cm
1.5	0.9	0.30	0.16		0.18	0.18	0.18	0.12	
2.0	1.4	0.30	0.22		0.25	0.24			
2.0	1.0	0.50	0.33	0.34	0.37	0.36	0.37	0.24	0.48
2.5	1.3	0.60	0.50	0.52	0.56		0.56	0.37	
3.0	1.2	0.90	0.83	0.86	0.92		0.93		1.21
3.0	2.3	0.35	0.41	0.42	0.45		0.45		
3.0	2.0	0.50	0.54		0.60	0.60		0.40	0.80
3.3	1.5	0.90	0.94	0.98	1.05		1.06		
3.5	2.1	0.70	0.86	0.89	0.95		0.96		
4.0	2.6	0.70	1.01	1.05	1.12		1.13	0.75	1.47
4.0	3.2	0.40	0.63		0.70				
4.5	2.8	0.85	1.35	1.41	1.51		1.52		
5.0	3.2	0.90	1.61	1.68	1.80		1.81		2.35
5.0	4.0	0.50	0.98		1.10	1.08			1.44
5.0	3.8	0.60						0.85	
5.5	3.7	0.90	1.81	1.89	2.02		2.03		
6.0	5.0	0.50	1.20		1.34	1.34		0.89	1.75
6.5	4.5	1.00	2.40	2.51	2.68		2.70	1.78	
8.0	6.6	0.70						1.65	
10.0	8.8	0.60						1.83	
10.0	8.0	1.00	3.93	4.10	4.38	4.35	4.41	2.91	5.74
13.0	11.6	0.70						2.79	
15.0	13.6	0.70						3.24	
18.0	16.4	0.80						4.45	
20.0	18.4	0.80						4.97	
23.0	21.4	0.80						5.75	

mm square

3 x 3	1.6 x 1.6	0.7			1.00			0.66	
4 x 4	2.6 x 2.6	0.7			1.43			0.95	
5 x 5	3.4 x 3.4	0.8			2.08			1.38	
6 x 6	4.4 x 4.4	0.8			2.58			1.71	
7 x 7	5.4 x 5.4	0.8			3.08			2.04	
8 x 8	6.4 x 6.4	0.8						2.37	

Our seamless tubes are available as gold and palatinum alloys – lenght max. 500 mm, silver alloy – length 1000 mm. Upon request special dimensions can be manufactured: length min. 300 mm; outside diameter < 10 mm; wall thickness ≤ 1 mm

585/30 yellow
960/40 Pt

585/12 PdWG
750/40 rosé

750/32 GG
750/50 rot

750/52 GG
900/50 GG

760/12 PdWG

Windings

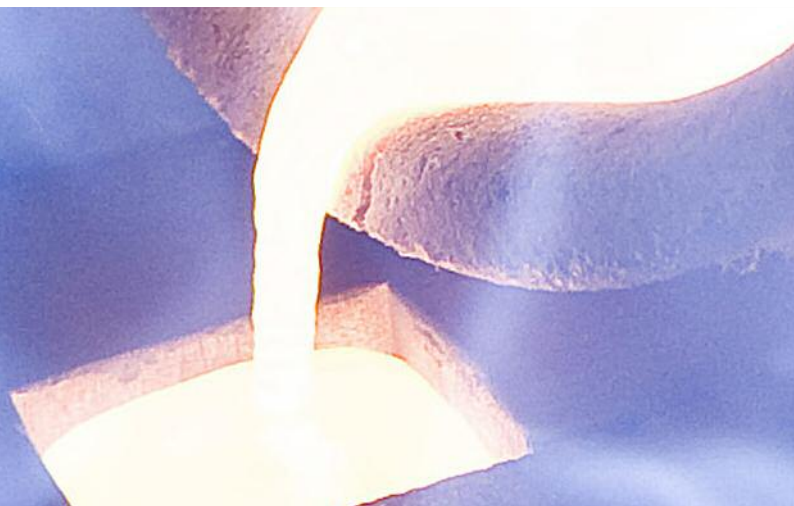
solid, with joint, breath ca. 58 (standard), separated from the loop

Alloys:	585/30 GG	750/32 GG	750/- PdWG	925/- Ag
Form	approx. weight per piece			
Round 4 mm	12.1 g	13.5 g	15 g	9 g
Hexagon 4 mm	–	14 g	15 g	10 g
Rectangle 6x3 mm	13.5 g	15 g	16 g	12 g
Rectangle 4x2 mm	7.2 g	8 g	–	5.5 g
Oval 6x3 mm	13.5 g	15 g	15 g	10 g
Oval 4x2 mm	7.2 g	7 g	–	5 g

Winded Tubes

In the alloys:			750/32 GG	925/- Ag
Outer Ø	Wall thickness	Core-Ø	approx. weight per piece	
10 mm	0.7 mm	ca. 65 mm	-	ca. 50 g
8 mm	0.7 mm	ca. 65 mm	approx. 56 g	ca. 36 g
8 mm	0.7 mm	approx. 60 x 65 mm oval	approx. 52 g	ca. 35 g
6 mm	0.7 mm	approx. 60 x 65 mm oval	approx. 37 g	ca. 24 g
6 mm	0.7 mm	ca. 65 mm	approx. 40 g	ca. 27 g

All this information is available as download on our homepage:
www.heraeus-jewelleryproducts.com



The best decision for your scrap material



The supply of scrap material for recycling is very important to all of us.

The recycling of precious metal waste is one of our special fields on which we take great care. Furthermore this process has an advantage for you because it doesn't burden the environment and your purse.

We offer the following opportunities to get the recycled material back:

- Credit to your metal account
- Payment by bank transfer
- Redelivery in form of semifinished jewellery or precious metal

If you have any further questions to our return service, orders or recycling don't hesitate to contact us.

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We do not guarantee the information in this stock list.

Technical changes are reserved without notice.

Heraeus is a DIN EN ISO 9001-2008 certified company.

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