

Product Specification

Product:	Platinum Wire/ Pt Wire
Part Number:	55HS

P/N	Diameter mm	Length	
55HS0.02	0.02	Cut as required	
55HS0.05	0.05	Cut as required	
55HS0.1	0.1	Cut as required	
55HS0.2	0.2	Cut as required	
55HS0.25	0.25	Cut as required	
55HS0.3	0.3	Cut as required	
55HS0.4	0.4	Cut as required	
55HS0.5	0.5	Cut as required	
55HS0.6	0.6	Cut as required	
55HS0.8	0.8	Cut as required	
55HS1.0	1.0	Cut as required	
Other specifications are available for customization			

Save Conditions And Validity Period :

The product shall be stored in a sealed container at an ambient temperature of 5-25°C, with a shelf life of 1 year from the date of shipment.

Packaging Method :

According to requirement.

Overview :

Product Name : High-Purity Platinum Wire

Diameter : Starting from 0.0185 mm

Unit Of Measurement : Gram (g)

Executive Standard : GBn 67-83

Remarks : Specifically for precision instrument sensors

Applications :

1. Used in the oxidation of synthetic ammonia to produce nitric acid.
2. Used in the manufacture of jewelry, electrical wires, laboratory vessels, thermocouples, corrosion-resistant equipment, dental materials, etc. Platinum powder can serve as a catalyst.
3. Applied in electrical instruments, the chemical industry, and the production of precision alloys.
4. Used in the manufacture of precision alloys.
5. Employed as a catalyst, oxidant, and gas absorbent.
6. Used in chemical, pharmaceutical, and cement industries, as well as in research laboratories and academic institutions as a high-temperature test substrate. Suitable for experiments above 1400°C, featuring high temperature resistance and long service life

Theoretical Weight Per Meter Of Precious Metal Wire, In Grams Per Meter

Diameter mm	Pt	Au	Ag	PtRh6	PtRh10	PtRh30
3	151.7	136.4	74.11	145.2	141.4	124.5
2.9	141.8	127.5	69.26	135.7	132.1	116.3
2.8	132.1	108.9	64.57	126.6	123.1	108.4
2.7	122.8	110.5	60.03	117.75	114.5	100.84
2.6	114	102.4	55.67	109.1	106.2	93.48
2.5	105.3	94.75	51.47	100.9	98.17	86.44
2.4	97.07	87.32	47.43	92.96	90.23	78.66
2.3	89.17	80.21	43.57	85.39	83.1	73.16
2.2	81.56	73.36	39.86	78.11	76.02	66.94
2.1	74.32	66.85	36.32	71.17	69.26	60.98
2	67.42	60.64	32.95	64.57	62.84	55.33
1.9	60.84	54.73	29.73	58.26	56.7	49.92
1.8	54.61	49.11	26.68	52.29	50.89	44.8

1.7	48.71	43.81	20.8	46.65	45.39	39.96
1.6	45.41	38.81	21.08	41.31	40.21	35.96
1.5	37.92	34.11	18.83	36.32	35.34	31.12
1.4	33.04	29.72	16.14	31.63	30.79	27.11
1.3	28.48	25.63	13.92	27.28	26.55	23.37
1.2	24.28	21.84	11.86	23.25	22.62	19.92
1.1	20.39	18.34	9.97	19.53	19.01	16.73
1	16.86	15.16	8.24	16.14	15.7	13.83
0.9	13.66	12.28	6.67	13.07	12.75	11.2
0.8	10.78	9.7	5.27	10.33	10.06	8.85
0.7	8.26	7.43	4.04	7.91	7.68	6.78
0.6	6.07	5.46	2.96	5.82	6.65	4.98
0.5	4.22	3.8	2.06	4.03	3.92	3.45
0.4	2.71	2.43	1.32	2.58	2.53	2.21
0.3	1.52	1.37	0.74	1.45	1.42	1.24
0.2	0.675	0.607	0.33	0.65	0.63	0.55
0.1	0.169	0.152	0.08	0.16	0.16	0.14
0.09	0.136	0.123				
0.08	0.108	0.097				
0.07	0.083	0.075				
0.06	0.061	0.055				
0.05	0.042	0.038				
0.04	0.027	0.024				
0.03	0.015	0.014				
0.02	0.0068	0.0061				
Density	21.46	19.3	10.49	20.55	20	17.61
Remarks:						

Ultrafine precious metal wires are extensively utilized in industrial applications, where the material's unique requirements include extremely fine diameters (starting from 0.0185mm) and stringent material properties. These applications encompass resistance temperature detectors and flammable gas detectors. The wire specifications can be customized to meet customer requirements, including specific parameters such as resistance and temperature coefficients, actual resistance, and tensile strength specifications.