

PtIr20**Hera 174****General information**

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|----------------------------|-----------------------------------------------------------------------------|
| Applications | contacts, electrodes, sliding contacts, spark plug electrodes, Medical wire |
| Product Forms | wire |
| Density, g/cm ³ | 21.7 |
| Melting Range, °C | 1830 - 1855 |

Forming Processes

| | |
|--------------------|----------------------------------------|
| Age Hardenable | Yes |
| Material Behaviour | ductile |
| Forming Process | formable, machinable, can be roll clad |

Physical properties

| | |
|-----------------------------------------------------------------------------------------------------|------|
| Conductivity, min., % IACS | 5.38 |
| Conductivity, max., % IACS | 5.55 |
| Temperature coefficient of resistance (0 - 100 °C) (x 10 ⁻⁴), annealed, K ⁻¹ | 8.2 |
| Young's Modulus, GPa | 255 |
| Modulus of Rigidity, GPa | 86 |

| | Annealed | Work Hardened | Property Range |
|-----------------------|----------|---------------|----------------|
| Hardness, HV | 190 | 300 | 190 - 300 |
| Tensile Strength, MPa | 570 | 940 | 570 - 940 |
| Yield Strength, MPa | 380 | 920 | 380 - 920 |
| Elongation, % | 21 | 2 | 2 - 21 |

Contact

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