

Sustainability is at the core of everything we do.

We will be the first precious metals company to be carbon neutral by 2025.



AVOIDANCE AND EFFICIENCY

20% less energy used in current processes, referring to our base year 2019.



GREEN ELECTRICITY

100% green electricity in all regions we are present by 2025, securing competitive prices.



NEW TECHNOLOGIES

We will move away from fossil fuels until 2033.



herae.us/sustainability

All targets refer to Scope 1&2

We make your glass precious

Discover Heraeus glass products and solutions

What makes Heraeus special:

Our core competencies at a glance

- Processing of precious metals and their alloys
- Semi-finished products, solid components for glass production
- DPH (Dispersion Hardened) alloys with reduced rhodium content
- Extending expertise throughout the precious metal cycle including recycling

What we produce at Heraeus:

Our products for the glass industry

There is a wide choice of precious metals and their alloys.

The success in glass production is determined by the right material. Heraeus produces several types of equipment for the glass industry, such as:

- Electrically heated feeder systems
- Stirrers & Plungers
- Gobbing stirrers
- Glass fiber bushings
- Cladding glass tools



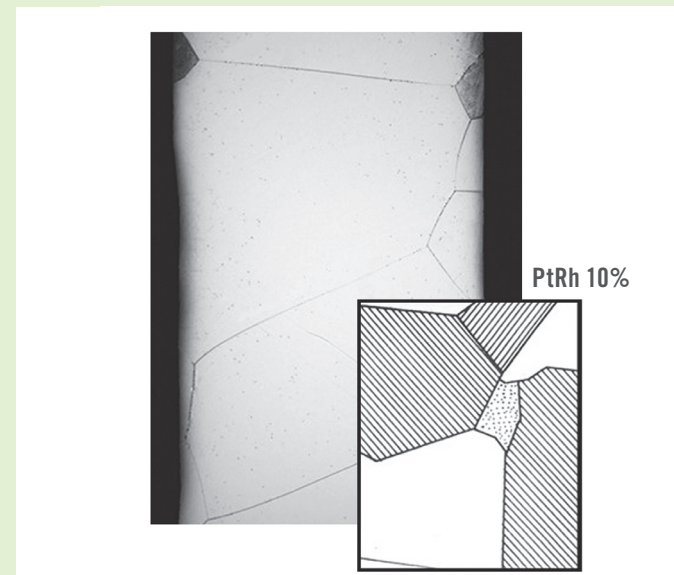
Get to know:

Our DPH Material Portfolio

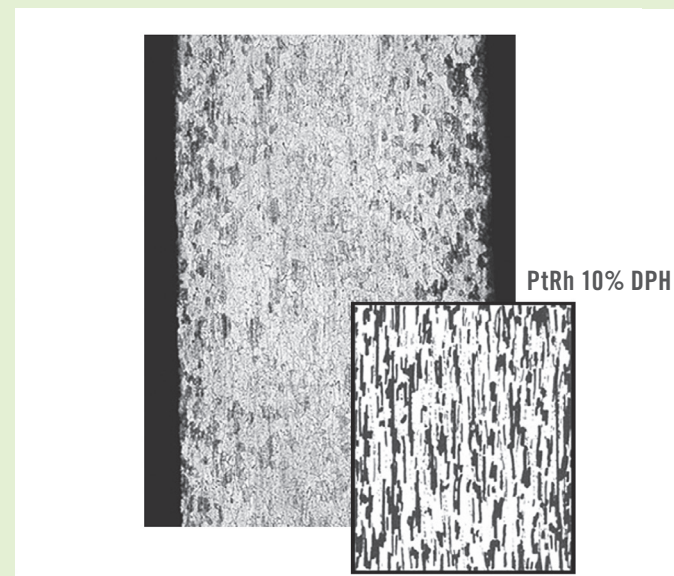
Dispersion Hardened Alloys

- Low Rhodium (Pt and PtRh5) **full-value substitute for PtRh10 and PtRh20** alloys
- Typical high corrosion resistance of DPH materials
- Featuring high resistance against grain growth
- Highest ductility – well-suited for temperature fluctuation, heat up and cool down phases
- Largely maintaining its properties after welding

Coarse Grain Structure Of Standard Alloys



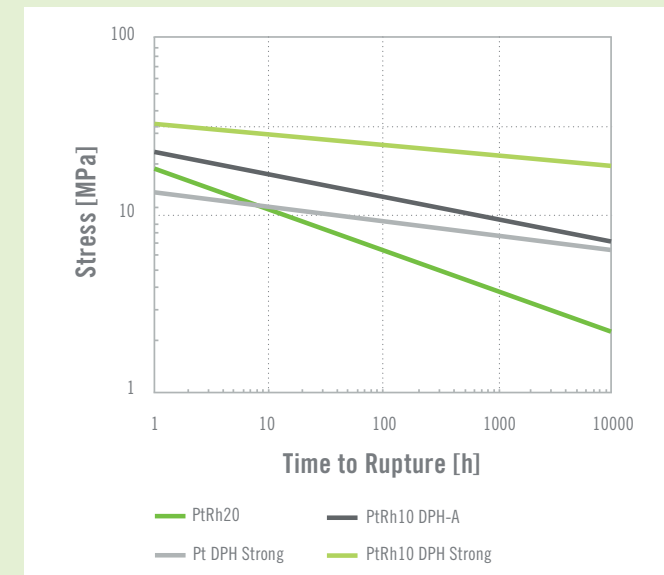
Stable Fine Grain Structure (1600 °C, 30 h)



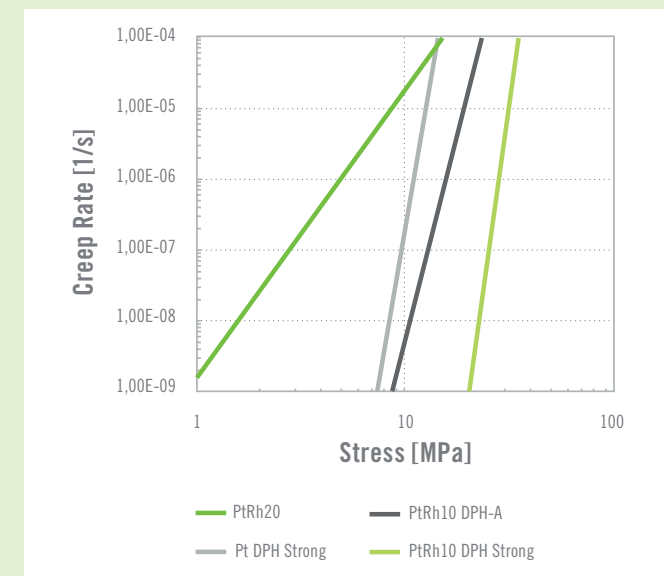
DPH Strong Alloys

- Next generation of DPH–A
- Key applications: hollow stirrer in display applications
- Increased **rupture strength by 100 %**
- Typical corrosion resistance of DPH materials
- Featuring high resistance against grain growth

Rupture 1400 °C



Norton 1400 °C



Easy access:

Our Material Database

Suitable precious metals and alloys are listed in the Heraeus Material Database which offers highest efficiency in material choice:

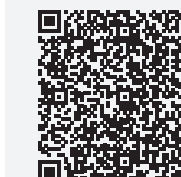
- **Quick and easy access:** no registration required, browse materials right away
- **Transparency:** find the right material by setting filters, e.g. applications
- **Comparability:** compare up to 4 materials and find out how they perform, e.g. electric resistivity, Young's Modulus, thermal conductivity



Simply scan the QR code and get to know our products.

Need personal advice?

Contact our experts at Heraeus



Simply scan the QR code and get in touch with our sales team.