Platinum-Rhodium (Pt-Rh) Thermocouple Wire

Platinum-Rhodium (Pt-Rh) Thermocouple Wire is a high-temperature sensing wire, made from platinum and rhodium alloys.

Platinum-Rhodium (Pt-Rh) Thermocouple Wire is on sale at Stanford Advanced Materials (SAM). With rich knowledge and experience in this field, SAM is a leading thermocouple wire supplier and has been providing quality **Platinum-Rhodium Thermocouple Wires** for years.

Platinum Rhodium Thermocouple Wire Notes

Types R and S are suggested to be applied for continuous use in oxidizing or inert atmospheres up to 2550°F (1398°C) or short-term exposures to 2700°F (1482°C). Type B is recommended for continuous use up to 3100°F (1704°C) in oxidizing or inert atmospheres. When operating near these maximum temperatures, heavier gauge wire sizes are recommended.

All these three thermocouple types can be used in a vacuum for short periods of time. Type B offers greater stability in such applications. None of them should be used in reducing atmospheres or in atmospheres containing metallic or non-metallic vapors unless protected by non-metallic protection tubes. Avoid inserting directly into metallic protection tubes!

Wire diameters are from 0.001 to 0.032" (0.025 to 0.812 mm). When requested, the wire is supplied in matched pairs that meet or exceed standard limits of error. The special-limits-of-error wire is supplied on request and must be ordered as matched pairs.

Platinum-Rhodium (Pt-Rh) Thermocouple Wire Application

Platinum-Rhodium (Pt-Rh) Thermocouple Wire is widely used in making thermocouples or heating elements. Pt-Rh wire is also used in making components on spacecraft or airplanes. Last but not least, Pt-Rh wire can be used in making the pacemakers because of its biocompatibility and good corrosive resistance.

Insulated duplex extension grade wire for types R, S, and B are also available.

Platinum-Rhodium (Pt-Rh) Thermocouple Wire Packing

Our Platinum-Rhodium (Pt-Rh) Thermocouple Wire is clearly tagged and labeled externally to ensure efficient identification and quality control. Great care is taken to avoid any damage which might be caused during storage or transportation.