

SONO 1200+ extreme temperature ultrasonic couplant



Sono 1200+ provides coupling for thickness gaging from 700°F to well over 1200+°F (371° to 649°C). In most cases, the signal strength increases with time to the point of the couplant's thermal decomposition.

Temperature Operating Range

Thickness Gaging: 700° to over 1200°F (371° to 649°C)

Benefits

- Highest temperature UT couplant commercially available
- Provides an extended high temperature window to optimize thickness readings
- Medium viscosity paste

Safety

- Smokes less at elevated temperatures than most high temperature coupling materials
- Contains NO perfluorocarbons or fluorinated material, which can cause adverse health effects at high temperatures

Removal

- Immediately wipe the couplant off the face of the Transducer with a cloth material that does not present a fire hazard.

Properties

Viscosity¹

Medium Viscosity Paste..... $\geq 1,500,000$ cps
(Brookfield LV #5 @ 0.3 rpm)

¹ At ambient temperature

Extreme Temperature Guidelines

- For best results, allow a few seconds of "melt-time" before taking temperature reading. Signal attenuation may occur if used at lower than recommended temperature.
- Sonotech couplants do not contain perfluorocarbons; thus "polymer fume fever" is not an operator hazard.

Flash Point and Auto Ignition

- The **Flash Point** of a product is the lowest temperature at which vapors arising from the product will ignite momentarily when exposed to a flame.
- **Auto Ignition** is the temperature at which a substance ignites without other sources of energy.

Auto Ignition and Flash Point for Sono 1200+ are approximately 900° to 1000°F (480 to 540°C). Purchaser/user should determine these values in explosive or flammable environments.

Packaging

2-oz (50 g) tube
4-oz (100 g) tube
quart (liter)
gallon (4-liter)

