

SONO 900 high temperature ultrasonic couplant

Sono 900 provides rapid coupling for thickness gaging and flaw inspection between 600°F (315°C) and 900°F (482°C).

Temperature Operating Range

Thickness Gaging: 600° to 900°F (315° to 482°C)

Flaw Inspection: 600° to 650°F (315° to 343°C)

Benefits

- Offers fast coupling in a thick paste that adheres well at high temperatures

Safety

- Non-toxic, non-irritating
- Contains NO perfluorocarbons or fluorinated material, which can cause adverse health effects at high temperatures

Chemistry

Total Halogens..... <2,500ppm

Sulfur..... <10,000ppm

Properties¹

Viscosity

(Paste).....>4,000,000 cps
(Brookfield LV #5 @ 0.3 rpm)

¹ At ambient temperature.

Auto Ignition Temperature.....990°F (532°C)

Packaging

2-oz (50 g) tube

4-oz (100 g) tube

quart (liter)

gallon (4-liter)

High Temperature Guidelines

- A couplant's upper temperature range for short duration thickness gaging is higher than when used for flaw detection.
- When testing on vertical or overhead surfaces, a thicker grade of couplant is likely to stay in place, but a thinner grade generally performs better on flat surfaces.
- No Sonotech couplant contains perfluorocarbons; thus "polymer plume fever" is not an operator hazard.

Flash Point and Auto Ignition

Sonotech provides the flash point and auto-ignition temperature for each high temperature product.

- 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.

The system for flash point determination for high temperature products (>680°F/360°C) utilizes the Cleveland Open Cup test in which vapors are allowed to escape and therefore results in a higher temperature than a closed cup test.

- **For the flash point of Sono 900 please reference the MSDS on opposing side.**



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