SONO 950 high temperature ultrasonic couplant

Sono 950 provides non-toxic coupling for thickness gaging and flaw inspection from 600°F (315°C) to 950°F (510°C). Sono 950 will maintain acoustic coupling beyond 15 seconds to give ample time for obtaining good thickness readings.

Temperature Operating Range

Thickness Gaging: 600° to 950°F (315° to 510°C)
Flaw Inspection: 600° to 725°F (315° to 385°C)

Benefits

- Provides an extended open time window for longer inspections.
- Non-toxic, non-irritating formula provides inspector safety

Safety

- Non-toxic, non-irritating, biodegradable
- 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
- Provides operator safety and convenience

Chemistry

Total Halogens..... <2,500ppm
Sulfur..... <50,000ppm

Properties

Viscosity[1]
Thin Paste.....>3,000,000 cps
(Brookfield LV #5 @ 0.3 rpm)

[1] *At ambient temperature.*

Auto Ignition temperature……1040ºF(560°C)

Packaging

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

Extreme Temperature Guidelines

- *For best results, allow a few seconds of "melt-time" before taking the temperature reading. Signal attenuation may occur if used at lower than recommended temperature.*
- *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 (>680ºF/360ºC) 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 950 please reference the MSDS on opposing side.***

SONOTECH® INC

774 Marine Drive, Bellingham, WA 98225-1530 360-671-9121 Fax 360-671-9024 www.sonotech-inc.com
sonotech@sonotech-inc.com Order Phone: 800-458-4254 Order Fax: 800-730-9024