

SHEAR GEL shear wave couplant



ENVIRONMENTALLY BENIGN



Shear Gel provides coupling for shear wave generated by normal incidence (zero degree) shear wave transducers.

Temperature Operating Range:
40° to 90°F (4° to 32°C)

Benefits

- Extremely high viscosity to couple normal incidence shear waves
- Environmentally benign formula

Safety

- Non-flammable, Non-irritating, orally nontoxic
- Contains NO naphtha, oil, glycerine, hydrocarbons, heavy metals, harsh surfactants, glycol ethers, nitrites, silicones, petroleum distillates, dyes or fragrances

Removal

- Water-soluble; remove with warm water

Corrosion Inhibition

A basic premise in NDT is that it must be truly nondestructive. The couplant must not cause detrimental metallurgical damage to the part through corrosion. Sonotech has developed a sensitive ferrous corrosion test and rating system for our couplants that evaluates both surface and crevice corrosion.

- Shear Gel contains a corrosion inhibitor for ferrous metals with a relative effectiveness rating of 85. Ferrous Corrosion Characteristics Chart available at <http://www.sonotech-inc.com>.

Environmental Awareness

Sonotech developed environmentally benign couplants to minimize impact on the environment. Shear Gel contains biodegradable materials, safe for disposal. The likelihood of skin irritation has been reduced through the use of cosmetic grade ingredients.

Environmentally benign couplants are designed specifically for applications where couplant may not be removed by the inspector, may later be removed by weather, or could come into contact with animals, humans, and waterways.

Properties¹

Viscosity..... >4,000,000cps
Density..... 1.4 to 1.6 g/cc

¹At ambient temperature.

Packaging

4 oz (100g) tube

