



US-VSD-3000

2 Part Vibration and Shock Dampening Silicone Gel

This is a fast curing rubber coating developed for shock dampening and vibration isolation applications. This is a 2-Part silicone that when cured, allows handling of the parts within minutes. Works well in automatic and manual dispensing equipment.

Product Features

- Room temperature cure or fast heat cure silicone rubber
- 2-part 1:1 mix
- Pourable and self-leveling
- Temperature range -40°C to $+260^{\circ}\text{C}$

Color: Translucent (custom colors available upon request)

Typical Applications

- Vibration isolation
- Severe impact cushioning
- Shock dampening

Chemical cure system: Platinum catalyzed, addition cure system.

Typical Properties

Uncured:

Viscosity, cps: 100,000
Specific Gravity: 1.05
Consistency mixed: thick liquid
Working time at Room Temperature: 15mins.
Cure time at 150°C : 5 minutes
Cure time at Room Temperature: 60-120mins.

Cured:

Tensile Strength, PSI: >300
Elongation, %: >300
Tear Strength, PPI: 25
Coefficient of Thermal Expansion: 20×10^{-5}

Mixing Instructions: The preferred method of mixing and application is through a static mixer at a 1:1 mix ratio by volume.

Handling precautions: This is a Platinum Cure system product. The catalyst can be deactivated by exposure to sulfur containing compounds like thiols, sulfides, sulfates, organic rubber containing sulfur, nitrogen containing compounds like amines, amides, imides, azides, tin metals or compounds, or tin cured RTV's.

Service temperature: -40°C to $+260^{\circ}\text{C}$

Limitations: Do not use product on head gaskets or in solvent or fuel immersion applications. Allow to fully cure before putting assembly into service.

Packaging: Available in 2.8 & 5.5oz squeeze tubes, 6.25oz sem kit cartridges, 400 ml. cartridges, 40 lb. pail kits and 400 lb. drum kits. This product is also available in customer defined packaging sizes, upon request.

Handling and safety

For maximum shelf life, keep containers sealed when not in use. Keep out of the reach of children. Uncured sealant irritates eyes and skin. Refer to MSDS.

Shelf-life

Sealed containers guaranteed for 1 year from the ship date when stored in a cool dry area below 70°F .