

## US-POT-24339

**US-POT-24339** is a fast curing silicone pourable RTV adhesives developed for potting and encapsulating applications requiring fast deep section cures as well as excellent adhesion. This is a two part, variable mix ratio silicone that when mixed allows handling within 45 to 120 minutes. When cured, the elastomer resists weathering, ozone, moisture, UV and high temperatures. US-POT-24339 works well in manual or static mix dispensing equipment.

### Product Features

- Self-leveling
- User defined variable 100:3-5 mix ratio
- Excellent unprimed adhesion to most plastics, metal and glass
- Fast deep section cure
- Temperature range -45°C to 260°C
- Neutral cure

### Product Applications

- Adhesive encapsulation
- Electronics potting
- Assembly line adhesive
- Thermal insulation, vibration & moisture isolation
- Form in place gaskets

**Chemical cure system:** Tin cured alkoxy condensation cure system which is not poisonous like platinum addition cured systems

### Typical Properties

#### Uncured

Parameter	Part A	Part B	Mixed
Color	Blue	White	Light Blue
Viscosity, cps	1,000	5,000	3,600
Specific Gravity	1.10	1.30	1.30
Consistency, mixed:	3% ratio	5% ratio	
Gel time, minutes	60	45	

#### Cured – Room Temperature

Durometer, Shore A:	50		
Tensile Strength, PSI	350	Elongation, %	200
Peel Strength, PPI	40	Lap Shear Strength, PSI	100
Dielectric Strength kv/mm:	19.5	Dielectric Constant:	3.8
Dissipation Factor at 1kHz:	0.006	Volume resistivity	$1.8 \times 10^{14}$
Thermal Conductivity W/m <sup>2</sup> K	0.17		
Coefficient of Thermal Expansion cm/cm °C		$20 \times 10^{-5}$	

**Mixing Instructions:** Preferred method is through a static mixer or manually at 100:3 to 5 ratio by weight.

**Curing:** Cure speed can be accelerated with increased humidity. Room temperature cure with ambient humidity results in a cured elastomer with very high adhesive properties.

**Cure System:** Oxime cure system.

**Solids:** 98% solids, contains no solvents

**Adhesion:** This product offers primer-less adhesion to plastics, metals and typical substrates.

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

**Packaging:** Available in 10 lb kits, 50 lb kits and 500 lb kits.

**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.