

JIT SILICONES +

Neutral Cure

100% SILICONE SEALANT

- Primary Use:
Industrial Sealing
and Bonding
- Flexible Long Lasting Seal
- Service Temperature -85°
F to 350°F
- (400° F Intermittent)
- UV Resistant
- Excellent Weatherability
- **Low Odor Cure**
- Won't oxidize sensitive
metals (brass, copper)
- Removable Nozzle on
Cartridges



Standard

| ITEM # | SIZE | NOTE |
|---|------------------------------|--|
| 10026 (white) 10031 (clear) | 3 oz (90ml) tube | 12 Blister Pack Tubes per Standard Box |
| 10028 (white) 10033 (clear) 10036 (black) | 10.1 oz (300ml) Cartridge | 12 Cartridges Per Standard Box |
| 10029 (white) 10034 (clear) 10037 (black) | 5 gallon pail | Plastic Pail |
| 10030 (white) 10035 (clear) 10038 (black) | 55 gallon drum | Metal Drum |

Available from:

JIT Silicones +

P.O. Box 24

Mars, PA 16046

Phone: (855) JIT-PLUS (855) 548-7587

www.jitsiliconesplus.com

Neutral Cure

rev. 10-2022

Technical Data

JIT **Neutral Cure** is a one-part, non-slumping paste that cures to a rubbery solid at room temperature on exposure to water vapor in the air. This Oxime cure RTV (room temperature vulcanizing) silicone is designed to perform at temperatures from -85°F (-65°C) to 350°F (177°C), & intermittently to 400°F (204°C).

HOW TO USE:

1. Prepare surface for application of sealant. For proper application, surfaces must be clean & dry.
2. Cut top tip of cartridge above threads, attach nozzle and cut to desired opening size.
3. Apply with caulking gun holding at 45° angle, pushing sealant ahead of nozzle.
4. Complete tooling immediately before a “skin” forms (typically within 3-6 minutes, but relative humidity will affect this).
5. Material cures & bonds in 24 hours with optimum strength achieved in 72 hours at 25°C (77°F) and 50% relative humidity.
6. After partial usage of container, any sealant remaining in nozzle will cure. Removal of cured plug from nozzle will allow reuse of remaining contents.

Note:

- Cure time is affected by relative humidity, degree of confinement and cross-sectional thickness of the sealant.

Typical Properties - As Supplied

Cure Characteristics - Exposed to air, 25°C (77°F) and 50% relative humidity

| Test | Unit | Result | Method |
|----------------------|-------------|-----------------------|-----------|
| Color | | Clear, White or Black | visual |
| Flow/Slump | inches | ≤0.20 | ASTM C639 |
| Non-Volatile Content | % by weight | ≥85 | ASTM C792 |
| Extrusion Rate | g/min | 250-500 | ASTM C603 |

Typical Properties - As Cured

| | | | |
|----------------|---------|-----|-----------|
| Skin-over time | minutes | 3-6 | ASTM C679 |
| Tack-free time | minutes | 14 | ASTM C679 |
| Cure time | hours | 24 | CTM |

| Test | Unit | Result | Method |
|-----------------------|--------|--------|------------|
| Durometer, Shore A | points | 30+/-5 | ASTM D2240 |
| Tensile at Break | psi | ≥175 | ASTM D412 |
| Elongation at Break | % | ≥300 | ASTM D412 |
| Peel Strength Carb/SS | ppi | ≥19 | ASTM D794 |
| Peel Strength Alum/SS | ppi | ≥19 | ASTM D794 |

Usable Life & Storage

When stored at or below 32°C (89.6°F), this product has a minimum usable life of 24 months from date of production.

Handling Precautions -See SDS (Safety Data Sheet)

CA Residents (PROP 65): WARNING: This product can expose you to chemicals including methanol, which is known to the State of California to cause birth defects or other reproductive harm.

For more information, go to www.P65Warnings.ca.gov



Limited Warranty - Please Read Carefully

The information contained herein is offered in good faith and is believed to be accurate. However, Because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that JIT Silicones + (JIT) products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

JIT's sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. JIT SPECIFICALLY DISCLAIMS ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. JIT DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.