

LOCTITE

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Product Description Sheet

Loctite® O-Ring Splicing Kit

Maintenance, Repair & Operations, July 2005

PRODUCT DESCRIPTION

LOCTITE® O-ring Splicing Kit is recommended for making replacement, high performance o-rings in less than a minute. It is ideal as a supplement to existing o-ring inventory to eliminate out of stock situations or as a handy field repair kit.



Contents:

- Quick Set™ 404 Adhesive – 0.33 oz.
- Water Proofing Solution – 1 oz.
- Clean Up Solvent – 1 oz.
- O-ring fixture
- Razor Blade
- Buna N cord stock (3/32", 1/8", 3/16", 1/4")

TYPICAL APPLICATIONS

- Pump seals
- Flanged pipe seals
- Vacuum seals
- Irregular shaped seals

* **Not recommended for dynamic o-ring seals**

DIRECTIONS FOR USE

Read thoroughly before opening package

1. Remove protective oil film from cutting blade before use.
2. **Determine the length of cord** required by placing the cord in the groove or around the shaft where seal is required and mark the cord. Add 1/4" beyond the mark and cut the cord. (A rough cut is sufficient at this point)
3. **Square the ends of the cord** using the supplied fixture. Insert the cord stock in the proper diameter hole and stop the cord on the other side with your finger. Holding the cord at a right angle to the fixture, insert the cutting blade in the slot at the top of the fixture and cut the cord. Repeat this procedure to square the other end of the cord.
4. Apply Quick Set™ 404 Adhesive sparingly to one end of the cord.
5. Immediately, using the proper V-groove at the end of the splicing fixture, place two ends of the cord in the groove, slide the ends into contact and hold firmly for 30 seconds.
6. To remove excess adhesive, apply Clean-up Solvent to a cloth and wipe to joint. Do not submerge bond in solvent.
7. For waterproof seal, apply a thin coating of Loctite's Waterproofing Solution to the bond line.

PROPERTIES OF CORD STOCK MATERIAL

Feature	Typical Value
Hardness, shore A	70 +/- 5
SAE 120 R Class	

ADHESIVE PROPERTIES

Property	Typical Value
Specific Gravity @ 25°C (cP)	1.09
Cure Time, seconds	<5

GENERAL INFORMATION

This product is not recommended for use in pure oxygen and/or oxygen rich systems and should not be selected as a sealant for chlorine or other strong oxidizing materials.

For safe handling information on this product, consult the Material Safety Data Sheet, (MSDS).

Storage

Product shall be ideally stored in a cool, dry location in unopened containers at a temperature between 8°C to 28°C (46°F to 82°F) unless otherwise labeled. Optimal storage is at the lower half of this temperature range. Product is intended for a single application and any unused tape would not be suitable for use at a future date.

Data Ranges

The data contained herein may be reported as a typical value and/or range. Values are based on actual test data and are verified on a periodic basis.

Note

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. One or more United States or foreign patents or patent applications may cover this product.