

# Chemlok

## Chemlok 5151 Adhesive for bonding fluoroelastomers

### Description

Chemlok® 5151 is a single coat adhesive used to bond fluorocarbon based elastomers to metal. It is particularly effective on phosphate coated metals. Chemlok 5151 adhesive will bond a wide variety of fluoroelastomers.

### Features and Benefits

**Non-pigmented** - provides good cosmetics.

**Low Viscosity** - easy to apply.

**Versatile** - bonds a wide variety of fluoroelastomers and accommodates a wide variety of post cures.

**Sweep Resistant** - produces less scrap.

### Application

For most applications, a dilution of 2-3 parts solvent per 1 part adhesive will provide excellent primary adhesion and environmental resistance. Use methyl ethyl ketone for dilution.

Apply Chemlok 5151 adhesive by brush, spray, or dip methods. The suggested film thickness is 0.5 - 1.25 microns or .02-.05 mils (two solvent/one adhesive dilution).

Chemlok 5151 adhesive provides excellent resistance to immersion in ASTM Oils #1 and #3, 96 hours @ 149°C (300°F). Adhesion is maintained with postcures up to 232°C (450°F). Chemlok 5151 adhesive provides excellent results for bonding bisphenol or peroxide curing elastomers.

### Clean Up

Use alcohol or ketones (e.g., MEK) for clean up.

### Packaging

- 1 Gallon Pail

### Storage

Keep away from heat, flames and sparks. Use grounding straps when transferring from drums to smaller containers. Keep the lids on tight when not in use to avoid moisture contamination. Store away from direct sunlight.

### Cautionary Information

Before using this or any other Lord product refer to the Material Safety Data Sheet (MSDS) and label for safe use and handling.

### Typical Properties\* of Chemlok 5151 Adhesive

|   |  |
|---|--|
| Color                                   | Reddish-yellow (translucent)   |
| Solids Content<br>by weight             | 11 - 16%   |
| Viscosity<br>Zahn No. 1                 | 25 - 30 seconds  |
| Density<br>kg/m <sup>3</sup><br>lbs/gal | 815 - 862<br>6.8 - 7.2   |
| Solvent                                 | MEK  |
| Shelf Life                              | Six months from date of shipment when stored at 21°C - 26°C (70°F - 80°F), unopened container. |
| Flash Point                             | -5°C (22°F)  |

\*Data is typical and not to be used for specification purposes.

Values stated in this bulletin represent typical values as not all tests are run on each lot of material produced. For formalized product specifications for specific product end uses, contact the Customer Service Department.

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