

# Chemlok® Y-4310 Adhesive

## Technical Data Sheet

Chemlok® Y-4310 adhesive is a clear, one-coat adhesive that bonds specialty elastomers to plastics and metals, including phosphatized metals.

### Features and Benefits:

**Environmentally Resistant** – provides outstanding resistance to a wide variety of aggressive environments.

**Low Viscosity** – maintains low viscosity for spray and dip (hand or tumble) applications.

### Elastomers:

- Fluoroelastomer (FKM)
- Polyacrylate (ACM)
- EPDM/Silicone Blends
- Nitrile (NBR) - peroxide cure
- Hydrogenated Nitrile (HNBR) - peroxide cure
- EPDM Polymers - peroxide cure
- Silicone (VMQ, PMQ, PVMQ) - peroxide cure
- Epichlorohydrin (ECH)
- Ethylene Acrylic (AEM)
- Peroxide-cured Elastomers

### Application:

**Surface Preparation** – Chemlok Y-4310 adhesive is primarily used on phosphated metal parts and mechanically prepared parts, including metals and plastics. Lightly blast parts and follow with a solvent wipe.

For further detailed information on surface preparation of specific substrates, refer to Chemlok Adhesives application guide.

**Mixing** – No mixing is required before or during use. If dilution is needed, typical dilution is 1 part methanol or ethanol to 1 part adhesive.

**Applying** – Apply adhesive by brush, dip or spray methods. Dip application is preferred to maintain precise control over adhesive thickness.

**Drying/Curing** – Allow the applied adhesive to air-dry for a minimum of 30 minutes prior to bonding. Chemlok Y-4310 adhesive cures during the rubber vulcanization process. Bond coated parts within three days of application.

**Cleanup** – Use alcohol or methanol to clean up equipment. Mechanical removal is the best method for ensuring that the adhesive has been removed.

### Shelf Life/Storage:

Shelf life is one year from date of shipment when stored by the recipient in a well ventilated area at 21-27°C (70-80°F) in original, unopened container.

Typical Properties*	
Appearance	Clear Liquid
Viscosity, cSt	0-5
Density kg/m <sup>3</sup> (lb/gal)	790.0-820.0 (6.6-6.8)
Solids Content by Weight, %	4.8-6.2
Flash Point (Seta), °C (°F)	13 (56)
Solvents	Ethanol, Methanol

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



ENGINEERING YOUR SUCCESS.

## Cautionary Information:

Before using this or any Parker LORD product, refer to the Safety Data Sheet (SDS) and label for safe use and handling instructions.

*For industrial/commercial use only.* Must be applied by trained personnel only. Not to be used in household applications. Not for consumer use.

Values stated in this document 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 Support Center.

Information provided herein is based upon tests believed to be reliable. In as much as Parker LORD has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, Parker LORD does not guarantee the performance of the product or the results obtained from the use of the product or this information where the product has been repackaged by any third party, including but not limited to any product end-user. Nor does the company make any express or implied warranty of merchantability or fitness for a particular purpose concerning the effects or results of such use.

**WARNING — USER RESPONSIBILITY. FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.**

This document and other information from Parker-Hannifin Corporation, its subsidiaries and authorized distributors provide product or system options for further investigation by users having technical expertise.

The user, through its own analysis and testing, is solely responsible for making the final selection of the system and components and assuring that all performance, endurance, maintenance, safety and warning requirements of the application are met. The user must analyze all aspects of the application, follow applicable industry standards, and follow the information concerning the product in the current product catalog and in any other materials provided from Parker or its subsidiaries or authorized distributors.

To the extent that Parker or its subsidiaries or authorized distributors provide component or system options based upon data or specifications provided by the user, the user is responsible for determining that such data and specifications are suitable and sufficient for all applications and reasonably foreseeable uses of the components or systems.

©2021 Parker Hannifin - All Rights Reserved

Information and specifications subject to change without notice and without liability therefor. Trademarks used herein are the property of their respective owners.

OD DS3935 03/21 Rev.3



Parker LORD  
**Engineered Materials Group**

111 LORD Drive  
Cary, NC 27511-7923  
USA

phone +1 877 ASK LORD (275 5673)

[www.lord.com](http://www.lord.com)