

Chemlok® Y-4310 Adhesive

Description

LORD Chemlok® Y-4310 adhesive is a clear, one-coat adhesive used to bond specialty elastomers to metal and plastics during vulcanization of the rubber. Chemlok Y-4310 adhesive is useful for bonding fluoroelastomers, polyacrylates, and many peroxide-curing elastomers to 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.

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. Handle clean metal surfaces with clean gloves to avoid contamination with skin oils.

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 Chemlok Y-4310 adhesive by brush, dip or spray methods. Dip application is preferred to maintain precise control over adhesive thickness.

Drying/Curing – Allow 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 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 ³	790.0-820.0
(lb/gal)	(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.

LORD TECHNICAL DATA

Cautionary Information

Before using this or any LORD product, refer to the Material Safety Data Sheet (MSDS) 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 technical data sheet 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 LORD Corporation has no control over the manner in which others may use this information, it does not guarantee the results to be obtained. In addition, LORD Corporation 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.

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