

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 ³ (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.



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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.

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Parker LORD
Engineered Materials Group

111 LORD Drive
Cary, NC 27511-7923
USA

phone +1 877 ASK LORD (275 5673)

www.lord.com