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

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.

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.

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